ORDER NO. BSD0209M612

Service Manual

Sec. 1 *Service Information*
Sec. 2 *Disassembly Procedures*
Sec. 3 *Electrical Adjustments*
Sec. 4 *Block Diagrams*
Sec. 5 *Schematic Diagrams*
Sec. 6 *Circuit Board Diagrams*
Sec. 7 *Exploded Views & Replacement Parts Lists*

Digital AV Mixer

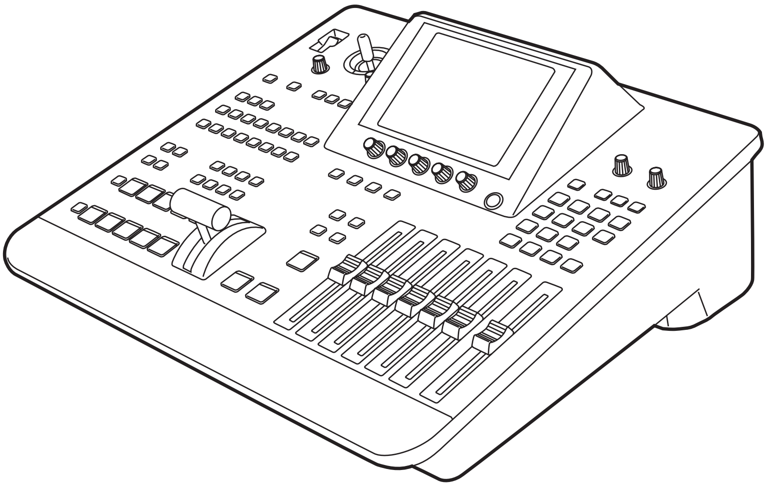
AG-MX70E/MC

SD INTERFACE BOARD

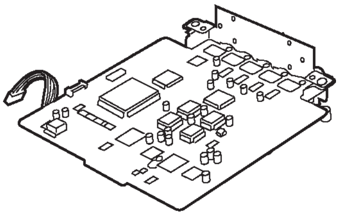
AG-YA70P

3D EFFECT BOARD

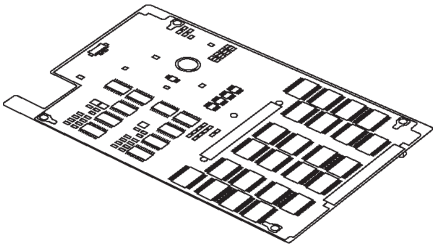
AG-VE70P



AG-MX70E/MC



AG-YA70P



AG-VE70P

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicans. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

Specifications AG-MX70E/MC

[GENERAL]

Power Source : 220 V to 240 V AC, 50/60 Hz
Power Consumption : 52 W (with no optional accessories installed), 70 W (with all optional accessories installed)

▭ indicates safety information.

Operating temperature:	+ 5 ¡C to + 40 ¡C
Operating humidity:	Less than 80% (relative humidity)
Dimensions (W H D):	424 197 400 mm
Weight:	8.2 kg (with no optional accessories installed) 8.7 kg (with all optional accessories installed)

[VIDEO]

Video Format:	525 (NTSC)/625 (PAL) switchable
Quantization:	Main input: 9 bit External input (EXT): 8 bit
Internal processing:	4: 2: 2: 4 8 bits (ON/OFF switching for Dynamic Rounding processing enabled) Key: 13.5 MHz Y: 13.5 MHz Pb/Pr: 6.75 MHz
S/N ratio:	Component signal, Y: Less than –54 dB Pb/Pr: Less than –52 dB Composite signal, Y/C: Less than –50 dB
Band width:	Main input Y: 0.5 MHz to 4.5 MHz (1.0 dB) Pb/Pr:0.2 MHz to 2.0 MHz (+0.5 dB to –3.0 dB) External input (EXT) Y: 0.5 MHz to 4.5 MHz (1.0 dB) Pb/Pr:0.2 MHz to 2.0 MHz (1.0 dB)
K factor:	Less than 1%
DG/DP:	Less than 4%/2¡

[AUDIO]

Sampling frequency:	48 kHz
Quantization:	Analogue Input: 20bit, Digital Input (option): 24bit
Frequency response:	20 Hz to 20 kHz (–1.0 dB to +1.0 dB)
Dynamic range:	More than 85dB (analogue In/out)
THD:	Less than 0.08% (1 kHz)
Cross talk:	Less than –70 dB (1 kHz, between any two channels)
Headroom:	20 dB/18 dB switchable

Specifications

[VIDEO INPUT/OUTPUT]

Component input connectors:	BNC 4 (sources 1/2/3/4) Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.525/0.757 Vp-p switchable, 75 Pb/Pr (625): 0.7 Vp-p, 75
Composite input connectors:	BNC 8 (sources 1 to 8), 1.0 Vp-p, 75
YC input connectors:	Mini-DIN4 4 (sources 1/2/3/4) Y: 1.0 Vp-p, 75 C: 0.286 Vp-p, 75 (525)/0.3 Vp-p, 75 (625)
EXT (external input) connector:	BNC 1 (Y/Pb/Pr), Analog component signals Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.757 Vp-p, 75 Pb/Pr (625): 0.7 Vp-p, 75 Key: BNC 1, 1.0 Vp-p, 75 Analog composite signals (genlock possible)
G/L input connector:	BNC 1 (with loop-through configuration), 1.0 Vp-p, 75 Composite signal (genlock selection enabled from G/L, EXT-Key)
Component output connectors:	BNC 2 Y: 1.0 Vp-p, 75 Pb/Pr (525): 0.525/0.757 Vp-p switchable, 75 Pb/Pr (625): 0.7 Vp-p, 75
Composite output connectors:	BNC 8 (sources 1 to 8), 1.0 Vp-p, 75
YC input connectors:	Mini-DIN4 4 Y: 1.0 Vp-p, 75 C: 0.286 Vp-p, 75 (525)/0.3 Vp-p, 75 (625)
Preview output connector:	BNC 1, 1.0 Vp-p, 75
Advanced reference input connector:	BNC 1 (with loop-through configuration), 75 , composite signals Sync: 0.286 Vp-p (525)/0.3 VP-P (625) Burst: 0.286 Vp-p (525)/0.3 Vp-p (625)

[AUDIO INPUT/OUTPUT]

Audio input (L/R) connectors:	XLR 4 sets, +4/0/–3 dBu switchable, 10 k , balanced
AUX input (L/R) connectors:	RCA 2 sets, –10 dBV, 10 k , unbalanced (AUX2 switchable with MIC)
Mic input jack:	M6 1, –60 dBv, 2 k , unbalanced (switchable with AUX2)
Audio output (L/R) connectors:	Program 1: XLR 1 set, +4/0/–3 dBu switchable, 47 , balanced Program 2: RCA 1 set, 10 dBv, 47 , unbalanced
Headphone output jack:	M6 1, 8 , unbalanced

Specifications

[OTHER]

Editor:	D-sub 9-pin, RS-422A/232C switchable RS-422A protocol; GVG/Sony switchable
Connectable Editor:	Panasonic: AG-A850 SONY: BVE-2000, BVE-910, PVE-500
Tally Out:	D-sub 9-pin, open-collector 8 ch Collector Current: Less than 50 mA, Maximum voltage: 35 V DC
GPI:	BNC 1, make-contact
USB:	Type-B connector 1, USB Ver.1.1 (cable length: max. 3 m)

[SDI] (Option)

Video input connectors:	BNC 4 (inputs 1/2/3/4), SMPTE 259M-C
Video output connectors:	BNC 1, SMPTE 259M-C
Audio input connectors:	Embedded audio (channels 1/2)
Audio output connectors:	Embedded audio (channels 1/2)

[ACCESSORIES]

Power cable (for continental Europe)	1
(for U.K.)	1
Operating Instructions	1
MX-Navi installation CD	1
Warranty card	1

Specifications

AG-YA70P

Power Source:	DC 5 V, 3.3 V
Power Consumption:	6.3 W

▭ indicates safety information.

Operating temperature:	41 F to 104 F (+ 5 C to + 40 C)
Operating humidity:	Less than 80%
Standard:	SMPTE-259M-C standard complied with

Specifications

AG-VE70P

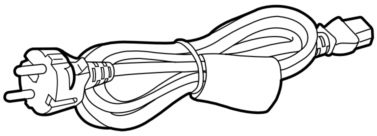
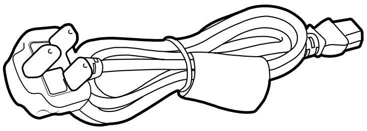
Power Source:	DC 5 V, 3.3 V
Power Consumption:	6.1 W

▭ indicates safety information.

Operating temperature:	41 F to 104 F (+ 5 C to + 40 C)
Operating humidity:	Less than 80%

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC.	**FOR U.K. ONLY**
Not to be used in the U.K. 	If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted. 

FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

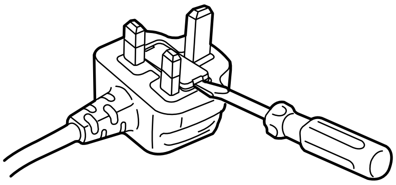
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

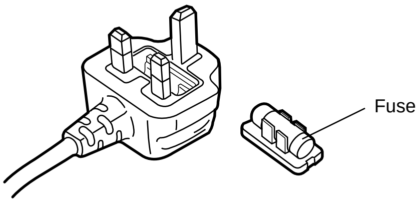
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

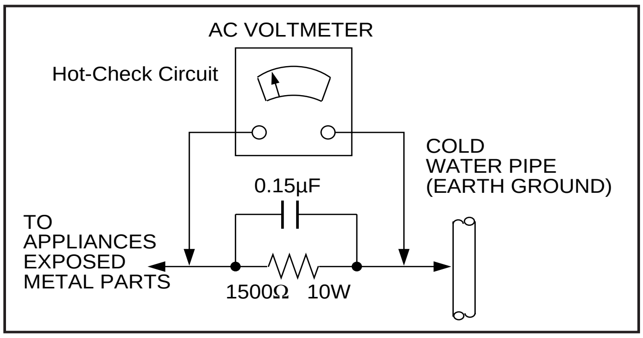


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ , 10W resistor, in parallel with a 0.15µF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverses the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB :

PCBs (manufactured) using lead free solder will have a Pbf stamp on the PCB.

Caution :

1. Pb free solder has a high melting point than standerd solder; Typically the melting point is 50-70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C)

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.

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SECTION 1

SERVICE INFORMATION

CONTENTS

1. Equipment For Measurement INF-1

2. Maintenance INF-1

- 2-1. Necessity For Maintenance INF-1
- 2-2. Maintenance Schedule INF-1

3. Up Dating The Software INF-2

- 3-1. Software INF-2
- 3-2. Layout of parts INF-2
- 3-3. Preparations for updating the internal flash memory microprocessor INF-3
- 3-4. Steps for updating the internal flash memory microprocessor INF-3
- 3-5. Updating the PLD (Altera) INF-5

4. The way of attaching an option board INF-8

- 4-1. Installation of the AG-YA70P INF-8
- 4-2. Installation of the AG-VE70P INF-10

1. Equipment For Measurement

MODEL No. (EXAMPLE)	NAME	REMARKS
TSG130	PAL analog component/Composite signal Transmitter	Techtronics
1760 or 1780R	SCH meter (PAL)	
	Oscilloscope (PAL)	
	Vectorscope (PAL)	
	Audio analyzer	
	Digital voltmeter (D.V.M.)	
	Wave Frequency counter	

2. Maintenance

2-1. Necessity For Maintenance

The digital AV mixer has an fan motor and LCD which are consumable items that deteriorate over time and can cause lower performance and malfunction. You should, therefore, perform maintenance regularly to prevent lower performance and potentially damaging malfunctions.

2-2. Maintenance Schedule

The following maintenance schedule shows approximate times to carry out maintenance. They are not the performance lives of the various parts. There may be changes to the maintenance specifications and part numbers so be sure to refer to the latest information.

No.	PART	PART NUMBER	TIME FOR REPLACEMENT
1	Top case fan motor	L6FALEDH0001	every ten thousand hours
2	Main case fan motor	L6FALEDH0001	every ten thousand hours
3	Power unit fan motor	VRF0027	every ten thousand hours
4	LCD panel unit	L5ADBNL00001	every ten thousand hours

Note:

- Refer to the times displayed under the various items in the onscreen menus for replacement times. From the SETUP (setup screen) condition, press SHIFT + 7 for 3 seconds to show the times.
- To reset the times for the items, press SHIFT + 7 for three seconds to show the times, then press 0 , 2 , 6 , – and ↵ .
  Select the item you want to reset in the rotary encoder, then press SHIFT + 7 to reset the time.

3. Up Dating The Software

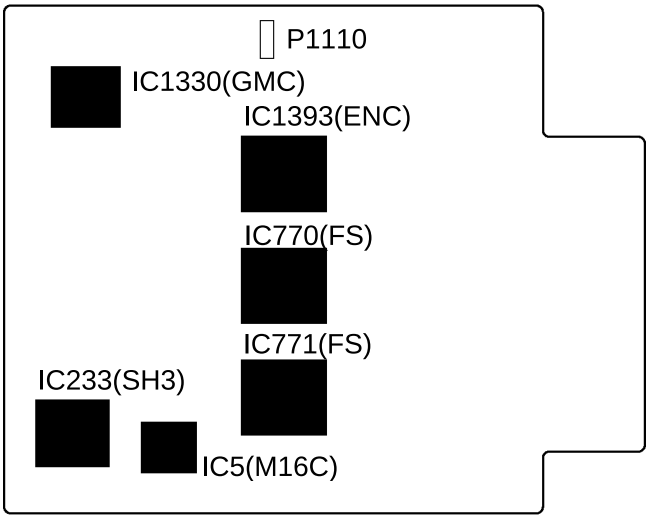
3-1. Software

AG-MX70/AG-YA70P/AG-VE70P use internal flash memory microprocessor and PLDs.
Follow the below steps to update the software.

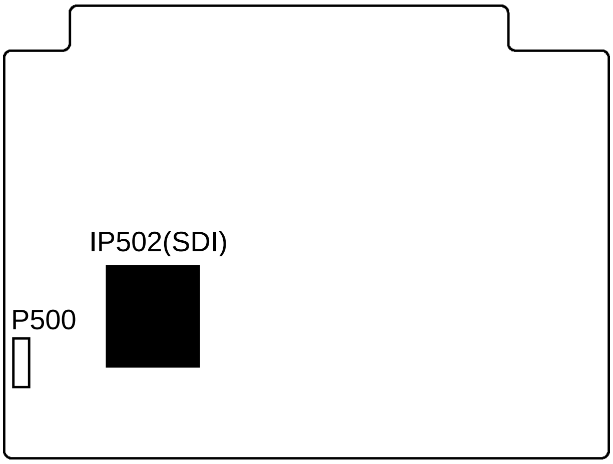
MODEL No.	TYPE	NAME	REFERENCE No.	BOARD NAME
AG-MX70	FLASH MEMORY	M16C	IC5	MAIN BOARD
		SH3	IC233	
	FPGA	FS	IC711, IC770	
		ENC	IC1393	
		GMC	IC1330	
AG-YA70P		SDI	IP502	SDI BOARD
AG-VE70P	PLD	ASPECT	IP701	3D BOARD
		IO	IP650	
		YC LPF	IP256, IP306	
		YC MIX	IP651	

3-2. Layout of parts

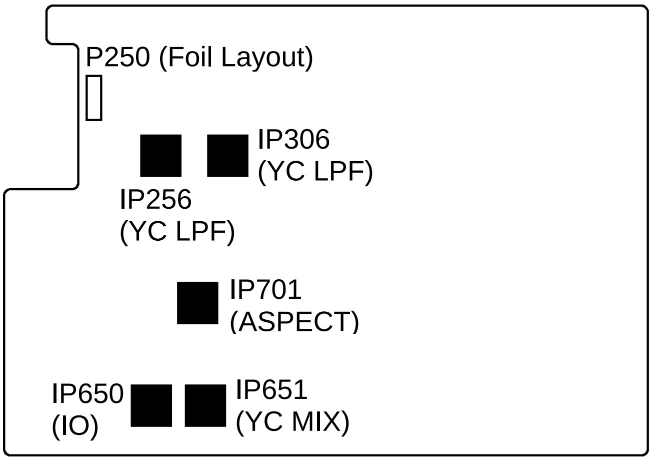
AG-MX70
Main Board (VEP66448A) Parts Layout


P1110
IC1330(GMC)
IC1393(ENC)
IC770(FS)
IC771(FS)
IC233(SH3)
IC5(M16C)

AG-YA70P
SDI Board (VEP83586A) Parts Layout

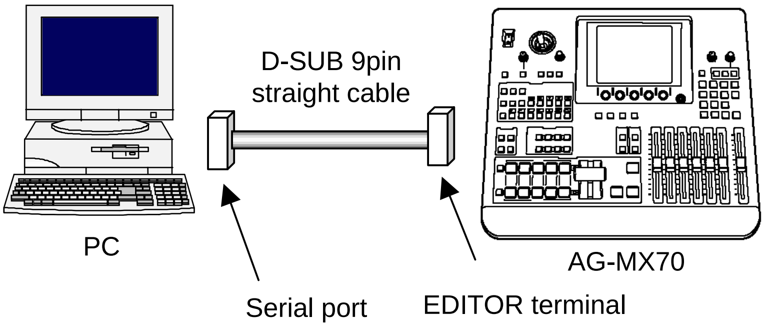

IP502(SDI)
P500

AG-VE70P
3D Board (VEP63239A) Parts Layout

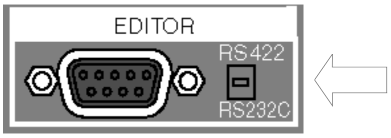

P250 (Foil Layout)
IP306
(YC LPF)
IP256
(YC LPF)
IP701
(ASPECT)
IP650
(IO)
IP651
(YC MIX)

3-3. Preparations for updating the internal flash memory microprocessor

1. Things Needed For Writing
    - Writing Software............ VFK1819
    - WINDOWS 95/98 Computer
    - RS232C cable (9 Pin Straight Cable)
2. Installation Of Writing Software
    - Copy the following file into a directory in the computer.
    - Program File.................. Version Up Tool. EXE
3. Connection
    - With the RS232C cable (9-pin straight cable), connect the AG-MX70 jack panel's EDITOR terminal to the computer's COM port.

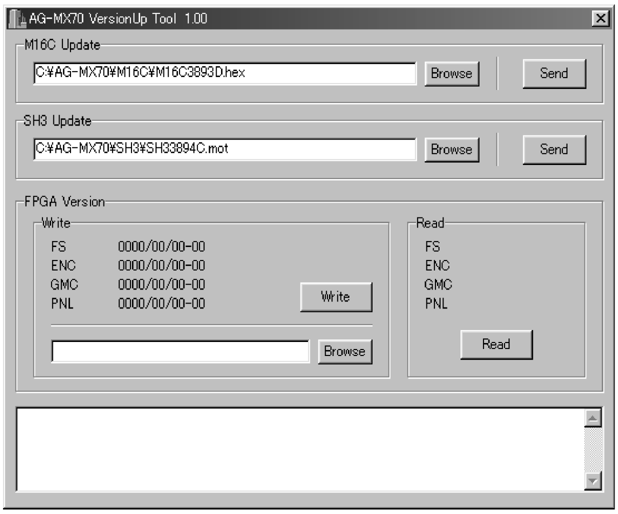

D-SUB 9pin
straight cable
PC
AG-MX70
Serial port
EDITOR terminal

4. Settings
    - Set the switch next to the AG-MX70 jack panel's EDITOR terminal to RS232C.


EDITOR
RS422
RS232C
Set to RS232C.

3-4. Steps for updating the internal flash memory microprocessor

1. After completing "3-3. Preparations for updating the internal flash memory microprocessor", switch on the computer.
2. Switch on AG-MX70.
3. Start up the writing software. Double-click on the copy of Version Up Tool.EXE.
4. "AG-MX70 Version Up Tool 1.00" opens as follows.


AG-MX70 VersionUp Tool 1.00

M16C Update: C:¥AG-MX70¥M16C¥M16C3893D.hex

SH3 Update: C:¥AG-MX70¥SH3¥SH33894C.mot

FPGA Version

Write
FS 0000/00/00-00
ENC 0000/00/00-00
GMC 0000/00/00-00
PNL 0000/00/00-00

Read
FS
ENC
GMC
PNL

Browse
Send
Browse
Send
Write
Browse
Read

5. On AG-MX70, press and hold LUM, AUDIO, EFFECTS ON and 5 and switch the power on. AG-MX70 comes on in the flash memory writing mode.
6. Press + – on AG-MX70 to change the items on the LCD.
   To up date M1C, select [MX70 Flash Write Mode]
   To update SH3, select [SH3 Flash Write Mode]
   Then press ↵ (the arrow key at the bottom right of the numbered buttons).
7. Wait until the display on the LCD changes from “Now Flash Erase Please Wait” to “Flash Erase Finish Please Send Data”.
8. In Version Up Tool 1.00, press the “Browse” button in the M16C Update column to update M16C, or the “Browse” button in SH3 Update to update SH3, and select the writing file.
   This is not necessary if the writing file is already in the box.
9. Writing starts when you press the Send button, next to the Browse button.
   Confirm that “Now Flash Writing” appears on AG-MX70’s LCD.
   If the message doesn’t appear or an error occurs, check the connections and start again.
10. Writing is complete when “Flash Write Complete Please Restart System” appears on AG-MX70’s LCD.
11. Switch AG-MX70 off then on again and enter the SETUP menu. The version information appears by pressing and holding SHIFT and 8 for 3 seconds. Confirm that the version has changed.

3-5. Updating the PLD (Altera)

A. Preparation

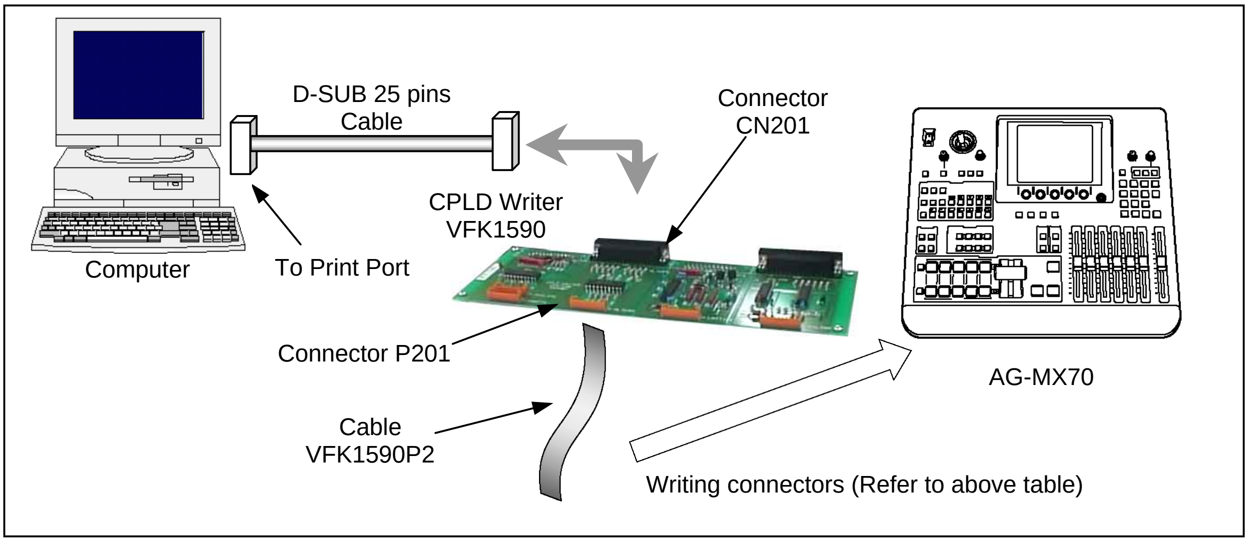
EQUIPMENT	REMARKS
CPLD Writer	VFK1590 VFK1590P2 (Cable: included with VFK1590)
25-pin-25-pin Cable	Straight (male-female), within 1 meter
Writing Software	MAX+plus II Software: WWW.altera.com./pub/software/asap2.exe Download from the URL and save in a directory
Version Updater	Tdf format or pof format file (Included in VSI**** file)
Computer	Windows 95 or 98 installed

B. Connection

1. Connect the computer and the CN201 connector (for Altera) on the CPLD writer (VFK1590) with the 25-pin-25-pin cable.
2. Connect the writing connectors on the FPGA and PGA you are updating to the P201 connector on the CPLD writer with the cable included with the CPLD writer (VFK1590).

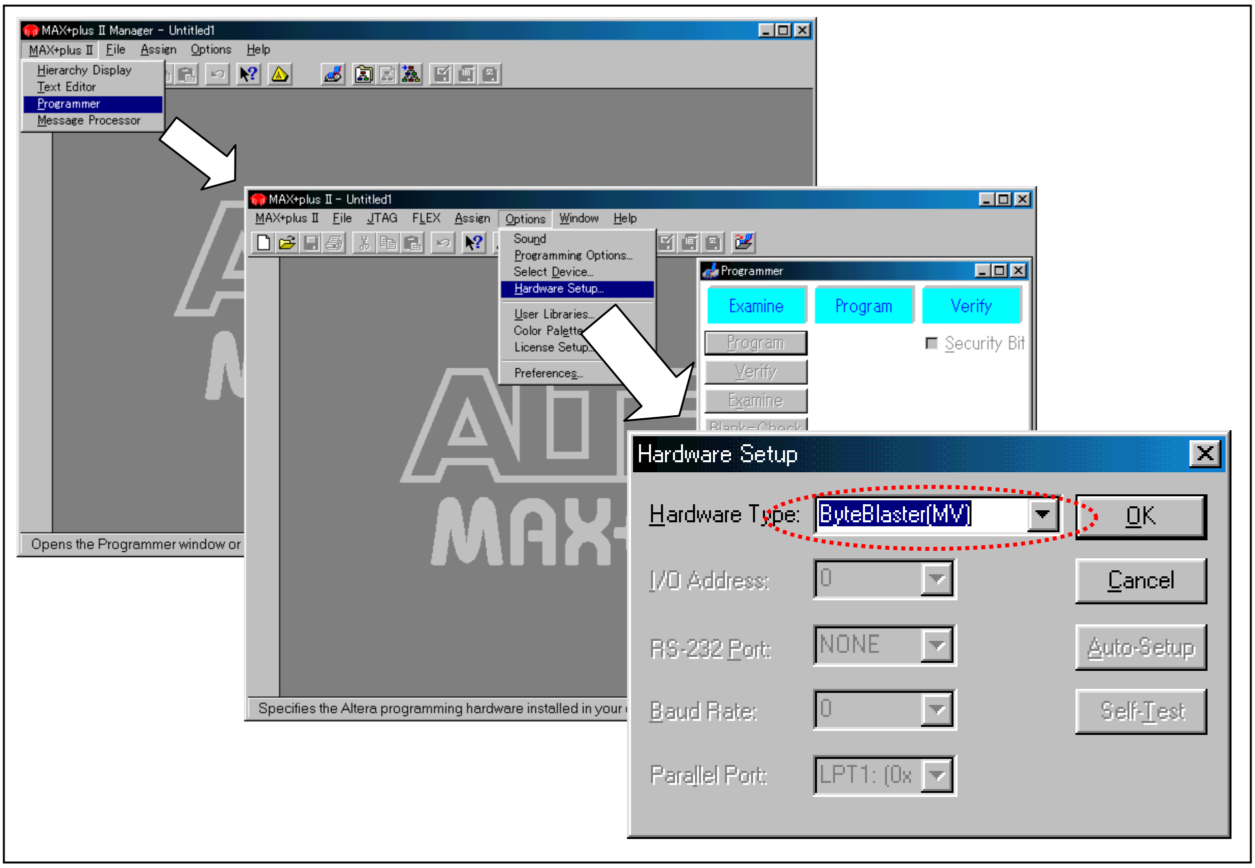
MODEL NO.	TYPE	NAME	REFERENCE NO.	WRITING CONNECTOR NO.	BOARD NAME
AG-MX70	FPGA	FS	IC711, IC770	P1110	MAIN BOARD
		ENC	IC1393		
		GMC	IC1330		
AG-YA70P		SDI	IP502	P500	SDI BOARD
AG-VE70P	PLD	ASPECT	IP701	P250	3D BOARD
		IO	IP650		
		YC LPF	IP256, IP306		
		YC MIX	IP651		

3. Start up the unit and the computer in Windows mode.
4. Copy all the VVVSI**** files including "*.jcf" to a floppy6 disc. Insert the floppy disc into your computer's disc drive.


D-SUB 25 pins Cable
Connector CN201
CPLD Writer VFK1590
Computer
To Print Port
Connector P201
AG-MX70
Cable VFK1590P2
Writing connectors (Refer to above table)

C. Starting the writing software and steps for updating

1. From the Windows START menu, select Program   MAX+plus II*.*programmer only.
2. In the main window, from the MAX+plus II tab select Programmer.
3. In the main window after displaying the Programmer screen, from the Option tab select Hardware Setup.
4. In the Hardware Setup window, set Hardware Type to ByteBlaster (MV).



Hardware Type: ByteBlaster(MV)

I/O Address: 0

RS-232 Port: NONE

Baud Rate: 0

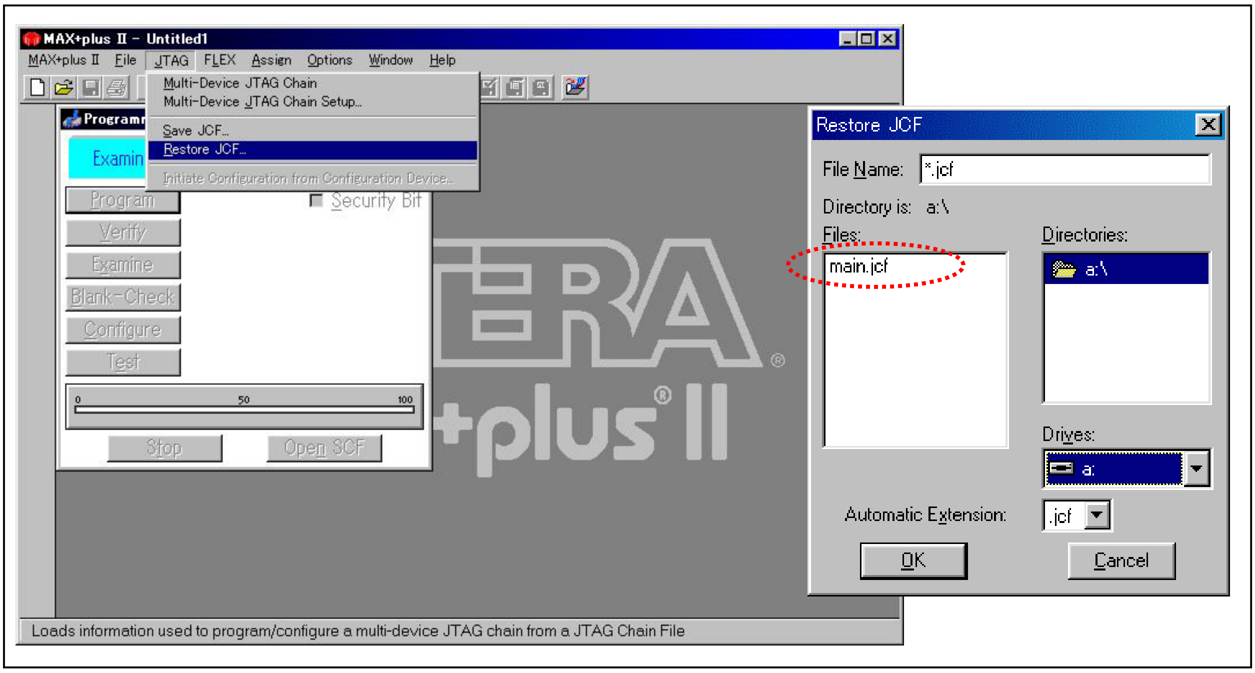
Parallel Port: LPT1: (0x

Opens the Programmer window or

Specifies the Altera programming hardware installed in your

MAX+plus II Manager - Untitled1
MAX+plus II
File
Assign
Options
Help
Hierarchy Display
Text Editor
Programmer
Message Processor
MAX+plus II - Untitled1
MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Sound
Programming Options...
Select Device...
Hardware Setup...
User Libraries...
Color Palette
License Setup...
Preferences...
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Security Bit
Hardware Setup
OK
Cancel
Auto-Setup
Self-Test

5. In the main window, from the JTAG tab select Restore JCF…
6. In the Restore JCF dialog, select the floppy disc drive [A:]. Next select "jcf format file (****.jcf) and click OK.



File Name: *.jcf

Directory is: a:\

Files: main.jcf

Directories: a:\

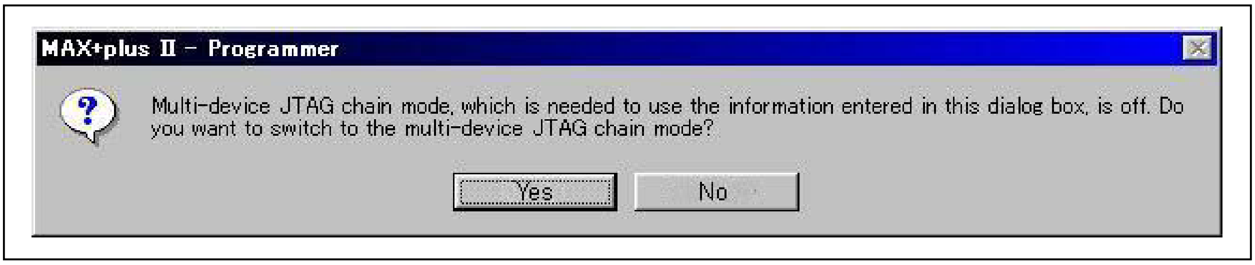
Drives: a:

Automatic Extension: .jcf

Loads information used to program/configure a multi-device JTAG chain from a JTAG Chain File

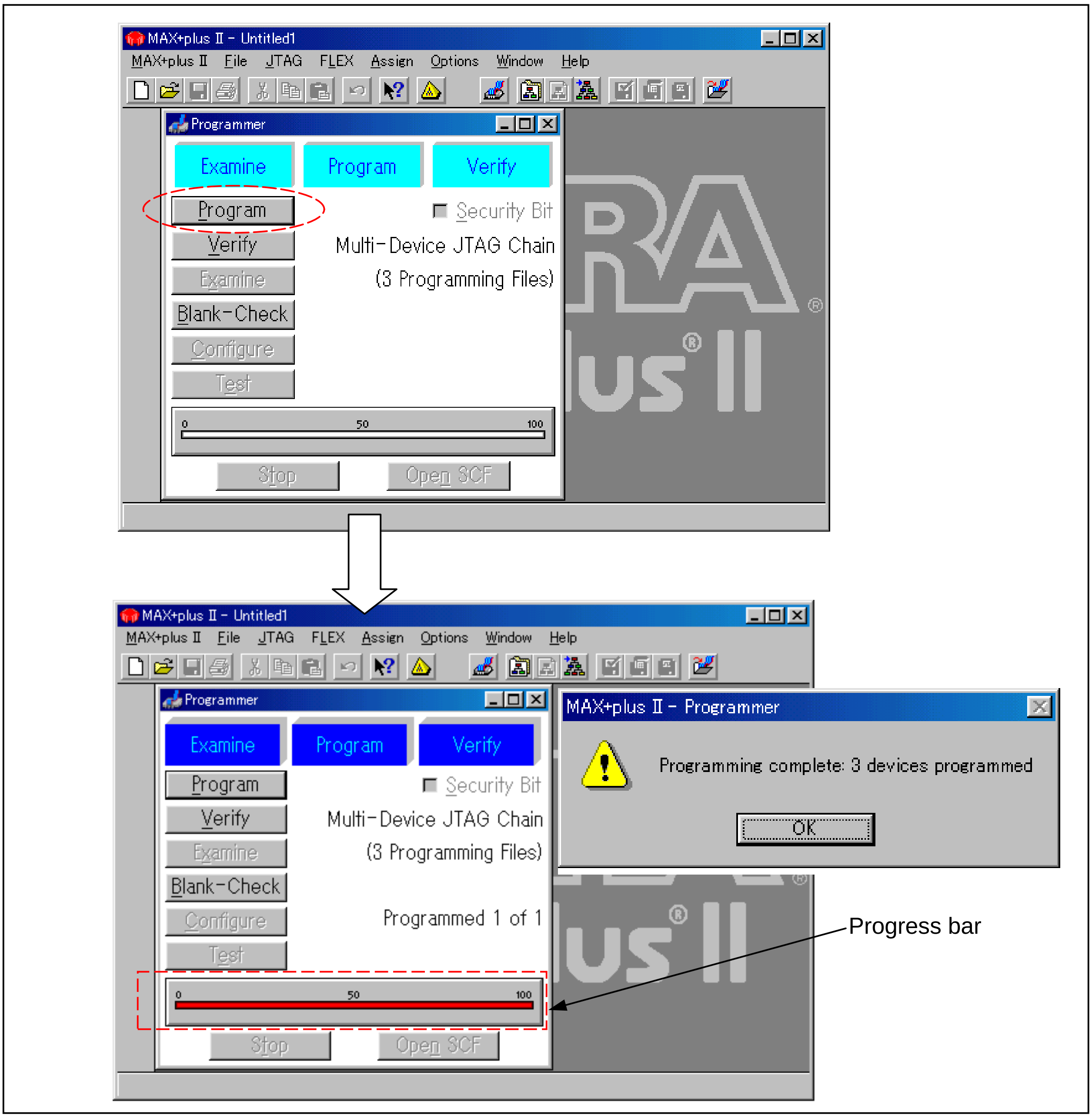
MAX+plus II - Untitled1
MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Multi-Device JTAG Chain
Multi-Device JTAG Chain Setup...
Save JCF...
Restore JCF...
Initiate Configuration from Configuration Device...
Programmer
Examine
Program
Verify
Examine
Blank-Check
Configure
Test
Security Bit
0
50
100
Stop
Open SCF
Restore JCF
OK
Cancel

7. If the following dialog appears, click Yes to proceed to the next step.


MAX+plus II – Programmer

Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode?

8. In the Programmer dialog, click Program.
9. PLD writing is complete when the progress bar at the bottom of the dialog reaches 100. The message “Programming complete” appears, so click OK.


MAX+plus II - Untitled1

Multi-Device JTAG Chain

(3 Programming Files)

Programmed 1 of 1

MAX+plus II – Programmer

Programming complete: 3 devices programmed

MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Configure
Test
Security Bit
0
50
100
Stop
Open SCF
OK
Progress bar

* MAX+plus is a registered trademark of Altera Corporation in the United States and other countries.

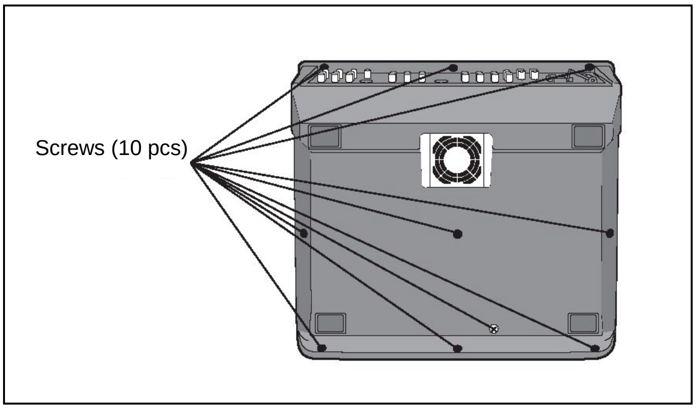
* Windows 95 and Windows 98 are registered trademarks of Microsoft Corporation in the United States and other countries.

4. The way of attaching an option board

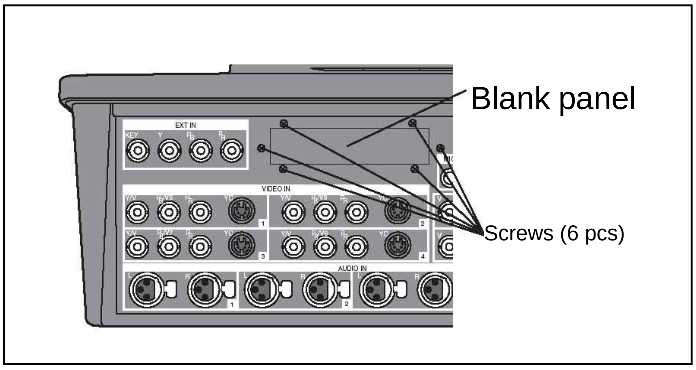
4-1. Installation of the AG-YA70P

The AG-YA70P is an interface board that enables the AG-MX70 to be connected to a serial digital interface (SDI). Follow the procedure below to install it.

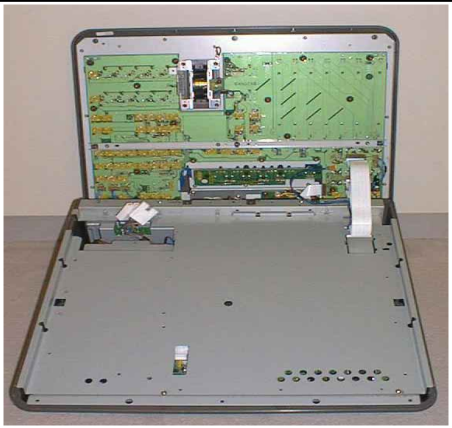
1. Turn off the power of the AG-MX70 and remove the ten screws from the bottom panel.



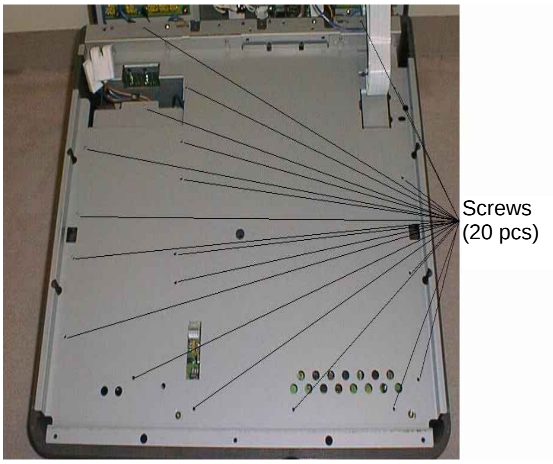
2. Remove the six screws from the rear panel, then remove the blank panel.



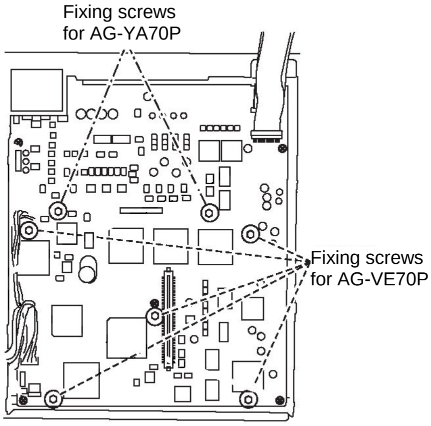
3. Open the top unit, including the LCD, from the front, then release the bands securing the flexible cable and blue cable of the unit.
4. Fix the unit perfectly upright so it does not topple. When removing the casing, ensure the flexible and other cables do not become detached.



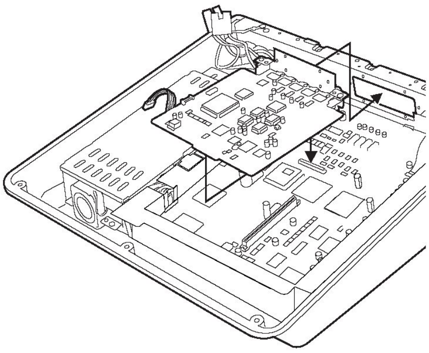
5. Remove the twenty screws from the shield casing, then remove the casing itself.


Screws
(20 pcs)

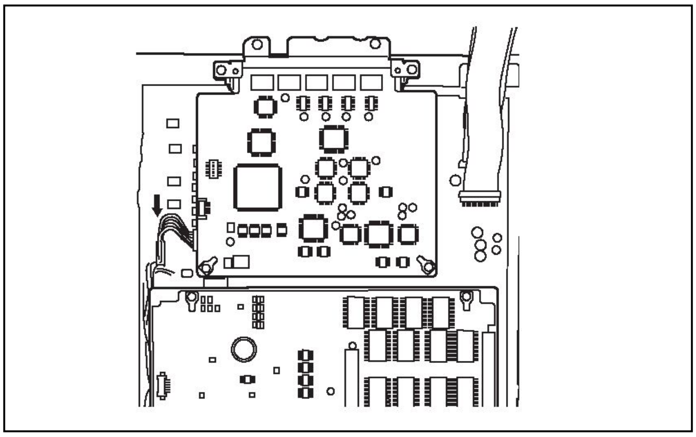
6. Remove the two hexagonal screws for anchoring the AG-YA70P to the motherboard.


Fixing screws
for AG-YA70P
Fixing screws
for AG-VE70P

7. Insert the AG-YA70P board. (Refer to the figure at left.)



8. Insert the cable from the AG-YA70P into the connector on the motherboard. (Refer to the figure at left.)

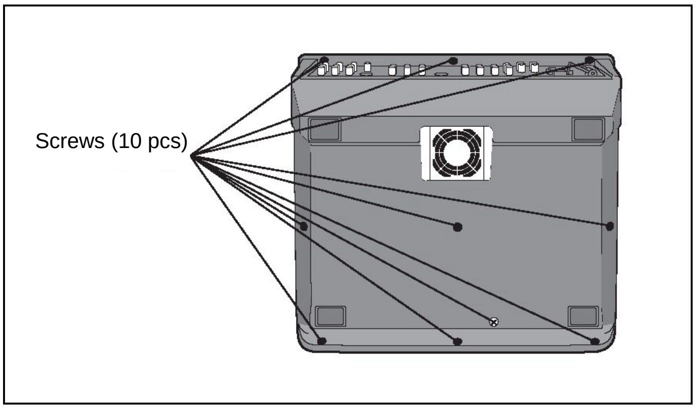


9. Secure the two screws which were removed in step 6.
10. Secure the shield casing and the twenty screws which were removed in step 5.
11. Re-attach the bands removed in step 3. and close the top unit.
12. Secure the six screws which were removed in step 2.
13. Secure the ten screws which were removed in step 1.

4-2. Installation of the AG-VE70P

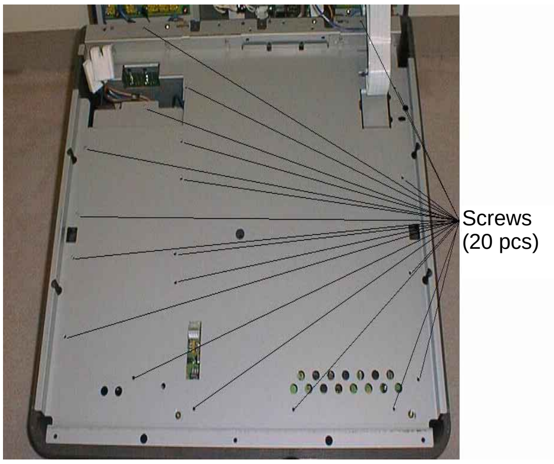
The AG-VE70P is a 3D effect board that enables the 3D patterns, etc. of the AG-MX70 to be used.
Follow the procedure below to install it.

1. Turn off the power of the AG-MX70 and remove the ten screws from the bottom panel.

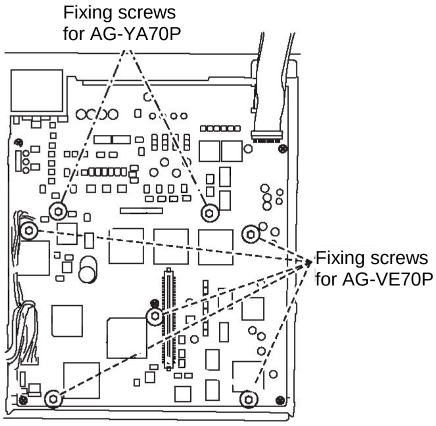


2. Open the unit in the top part including the LCD out toward the front, then release the bands securing the flexible cable and blue cable of the unit.
3. Fix the unit perfectly upright so it does not topple.
   When removing the casing, ensure the flexible and other cables do not become detached.

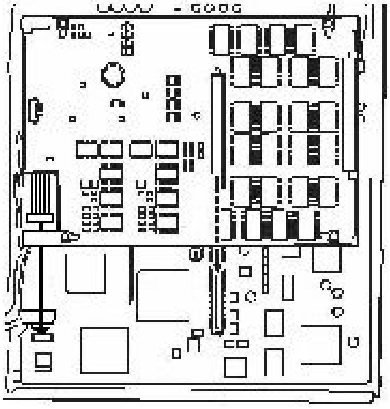
4. Remove the twenty screws from the shield casing, then remove the casing itself.


Screws
(20 pcs)

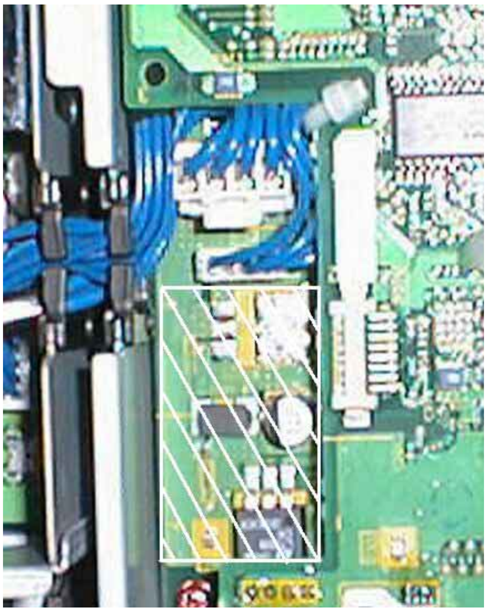
5. Remove the five hexagonal screws for anchoring the AG-VE70P to the motherboard.


Fixing screws
for AG-YA70P
Fixing screws
for AG-VE70P

6. Insert the AG-VE70P board. (Refer to the figure at right.)



7. Insert the cable from the AG-VE70P into the connector on the motherboard. (Refer to the figure at left.) Route the cables while carefully ensuring that they do not make contact with the transition lever unit.



8. Secure the five screws which were removed in step 5.

9. Secure the shield casing and the twenty screws which were removed in step 4.

10. Re-attach the bands removed in step 2. and close the top unit.

11. Secure the ten screws which were removed in step 1.

SECTION 2

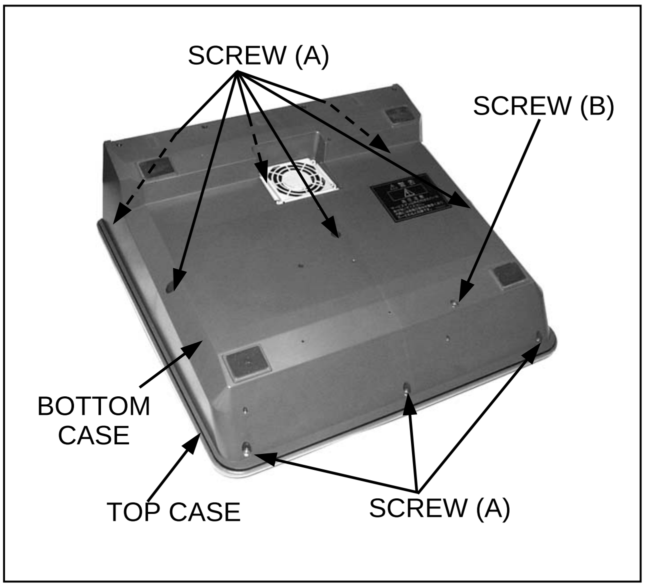
DISASSEMBLY PROCEDURES

CONTENTS

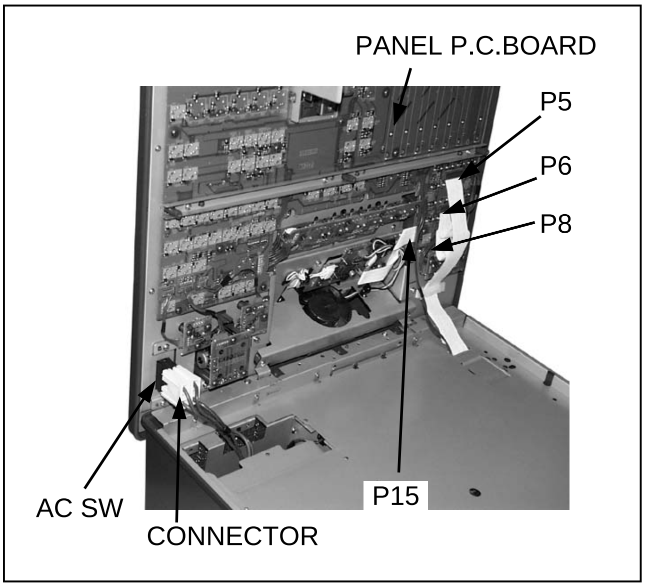
1. Removal the Top Case DIS-1
2. Removing the LCD Panel DIS-1
3. Removal the Top Case Fan Motor DIS-2
4. Removal the Bottom Case Fan Motor DIS-2
5. Removal the Power Unit.. DIS-2
6. Removal the Power Unit's Fan Motor DIS-2
7. Removal the Jack Unit DIS-3

1. Removal the Top Case

1. Unscrew the 9 screws (A) and the screw (B) in the illustration.

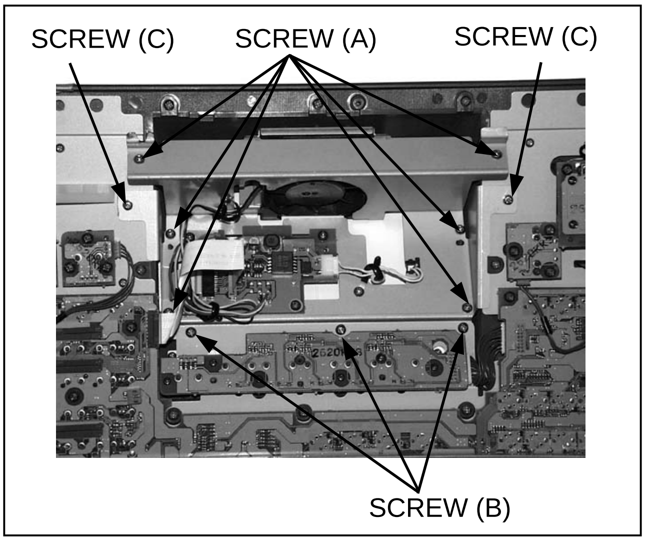

SCREW (A)
SCREW (B)
BOTTOM CASE
TOP CASE
SCREW (A)

2. Open the Top Case and disconnect P15 connector on the Panel P.C.Board and the connector on AC SW.
3. Unlock P5, P6, and P8, disconnect the flexible cable and remove the Top Case.

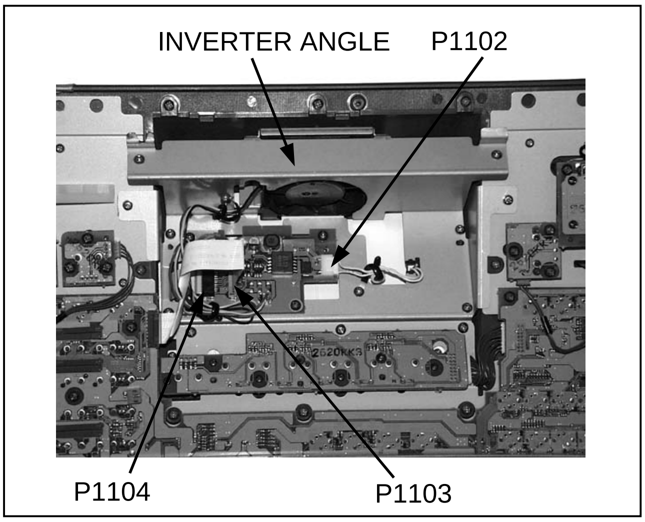

PANEL P.C.BOARD
P5
P6
P8
AC SW
P15
CONNECTOR

2. Removing the LCD Panel

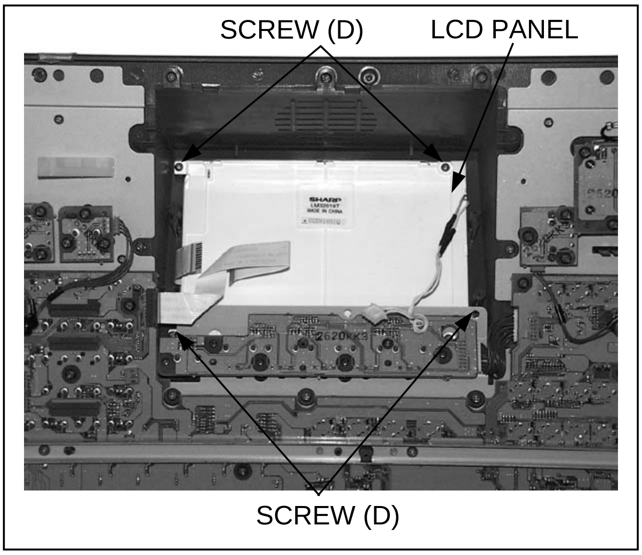
1. Remove the Top Case.
2. Unscrew the 6 screws (A), the 3 screws (B), and the 2 screws (C) in the illustration.


SCREW (C)
SCREW (A)
SCREW (C)
SCREW (B)

3. Disconnect connectors P1102, P1103, and P1104 and remove the Inverter Angle.

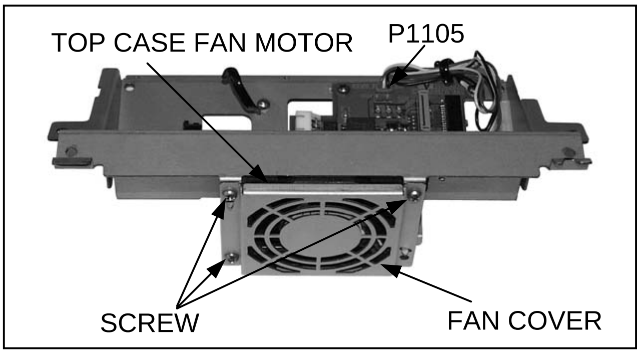

INVERTER ANGLE
P1102
P1104
P1103

4. Unscrew the 4 screws (D) and remove the LCD Panel.


SCREW (D)
LCD PANEL
SCREW (D)

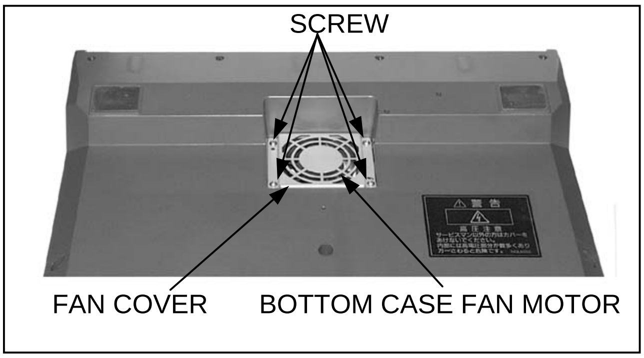
3. Removal the Top Case Fan Motor

1. Remove the Top Case.
2. Remove the Inverter Angle. (See "Removal the LCD Panel")
3. Unscrew the 3 screws and remove the Fan Cover.
4. Disconnect connector P1105 and remove the Top Case Fan Motor.


TOP CASE FAN MOTOR
P1105
SCREW
FAN COVER

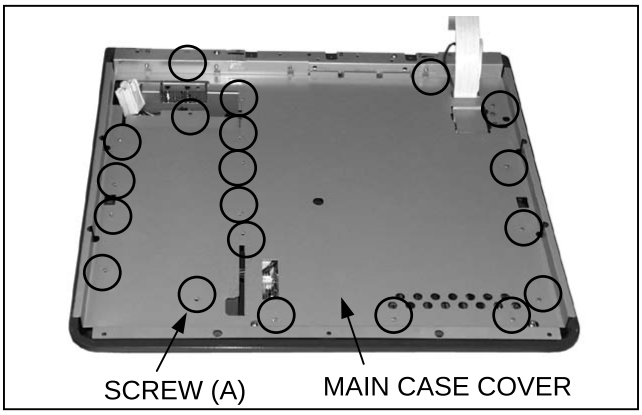
4. Removal the Bottom Case Fan Motor

1. Unscrew the 4 screws and remove the Fan Cover.
2. Remove the Bottom Case Fan Motor and disconnect the connectors.

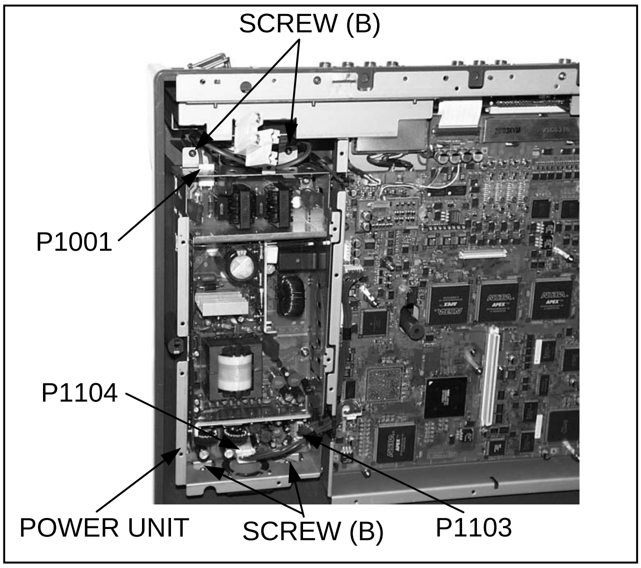

SCREW
FAN COVER
BOTTOM CASE FAN MOTOR

5. Removal the Power Unit

1. Remove the Top Case.
2. Unscrew the 20 screws (A) and remove the Main Case Cover.

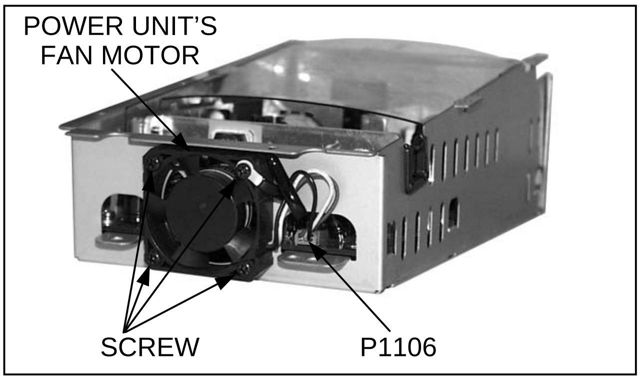

SCREW (A)
MAIN CASE COVER

3. Unscrew the 4 screws (B).
4. Disconnect P1001, P1103 and P1104 and remove the Power Unit.


SCREW (B)
P1001
P1104
POWER UNIT
SCREW (B)
P1103

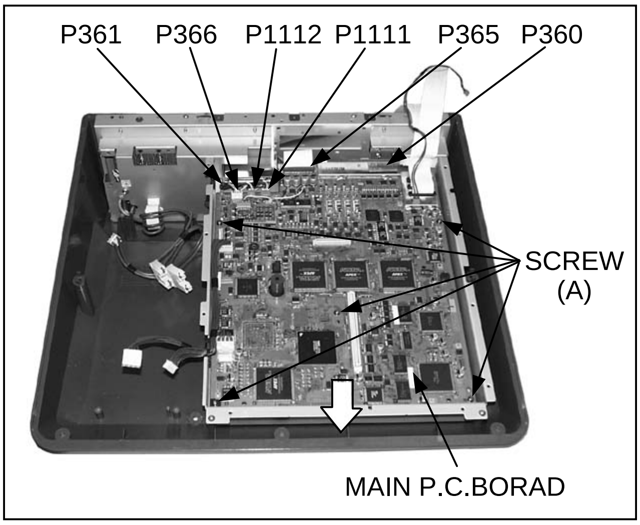
6. Removal the Power Unit's Fan Motor

1. Remove the Power Unit.
2. Unscrew the 4 screws.
3. Disconnect connector P1106 and remove the Power Unit's Fan Motor.

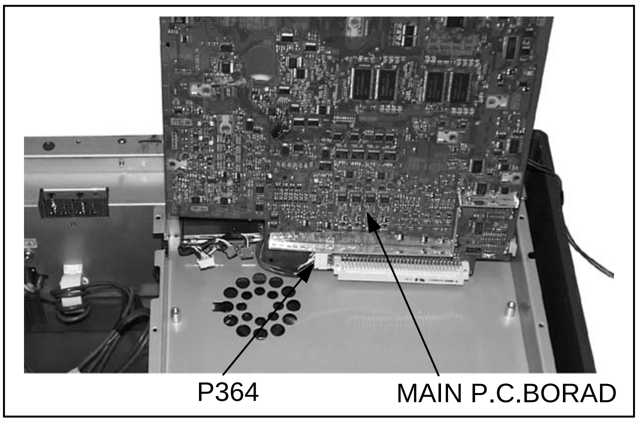

POWER UNIT'S
FAN MOTOR
SCREW
P1106

7. Removal the Jack Unit

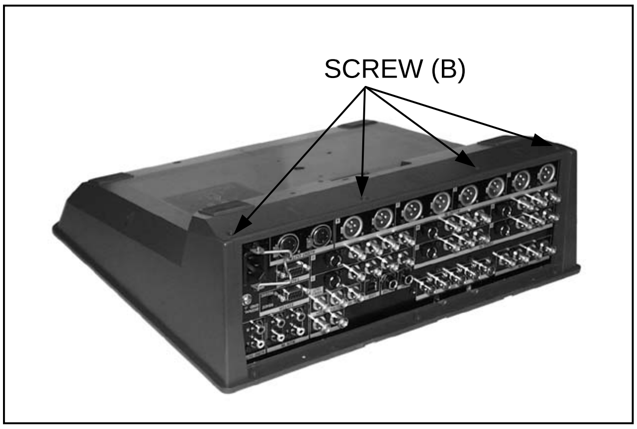
1. Remove the Power Unit.
2. Unscrew the 5 screws (A).
3. Disconnect connectors P361, P366, P1111, and P1112, unlock connector P365, and disconnect the flexible cable.
4. Slide the Main P.C.Board in the direction indicated by the arrow and disconnect connector P360.


P361
P366
P1112
P1111
P365
P360
SCREW (A)
MAIN P.C.BORAD

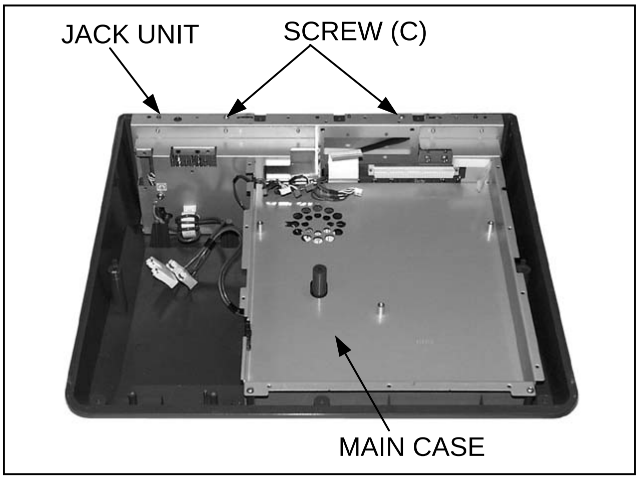
5. Lift the Main P.C.Board as shown in the illustration, disconnect connector P364, and remove the Main P.C.Board.


P364
MAIN P.C.BORAD

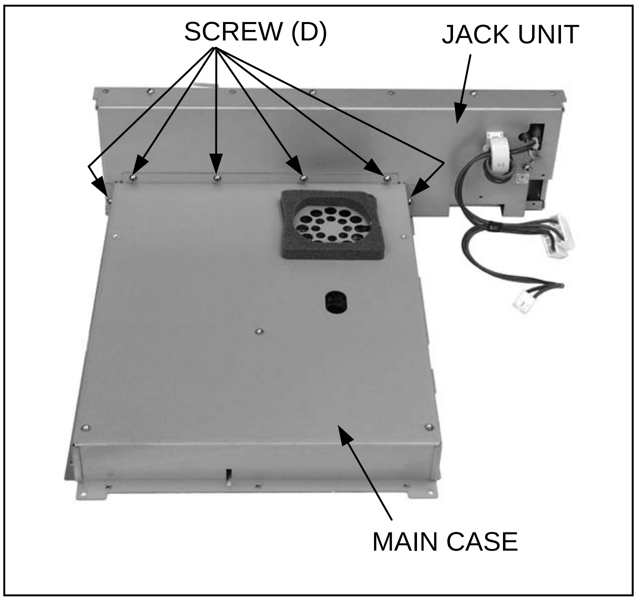
6. Unscrew the 4 screws (B).



7. Unscrew the 2 screws (C) and remove the Jack Unit along with the Main Case.


JACK UNIT
SCREW (C)
MAIN CASE

8. Unscrew the 6 screws (D) and separate the Jack Unit from the Main Case.


SCREW (D)
JACK UNIT
MAIN CASE

SECTION 3

ELECTRICAL ADJUSTMENTS

CONTENTS

1. MAIN EAD-1

1-1. PLL Free run frequency adjustment EAD-1
1-2. Adjustment of Y output gain of component signals EAD-1
1-3. Adjustment of PB output gain of component signals EAD-1
1-4. Adjustment of PR output gain of component signals EAD-1
1-5. Adjustment of output gain of composite signals EAD-2
1-6. Adjust output gain of PVW (preview) EAD-2
1-7. Adjustment of output gain of Y/C (S terminal) signals EAD-2
1-8. Adjustment of output gain of ADV-REF signals EAD-2
1-9. Preparation before starting the adjustment menu EAD-3
1-10. Starting the adjustment menu EAD-3
1-11. SCH adjustment EAD-3
1-12. Adjust component Y input signal gain of the A bus EAD-4
1-13. Adjust component PB input signal gain of the A bus EAD-4
1-14. Adjust component PR input signal gain of the A bus EAD-4
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1-16. Adjust component PB input signal gain of the B bus EAD-5
1-17. Adjust component PR input signal gain of the B bus EAD-5
1-18. Adjustment of EXT input signal gain EAD-6
1-19. Adjustment of EXT input signal PB offset EAD-6
1-20. Adjustment of EXT input signal PR offset EAD-6
1-21. Adjustment of EXT input signal PB gain EAD-7
1-22. Adjustment of EXT input signal PR gain EAD-7

1. MAIN

1-1. PLL Free Run Frequency Adjustment

BOARD	MAIN BOARD
TP	TP1393
ADJ.	VR1490
INPUT	No Input to EXT-Y, EXT-Key, and G/L
MODE	——
M.EQ	Frequency Counter
SPEC.	Within 27, 000, 000 MHz ±30 Hz

1. Measure TP1393 with the frequency counter and adjust VR1490 so it meets the above specifications.

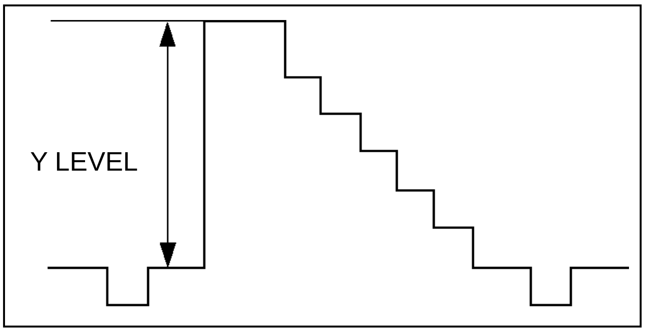
Note:

If there are input signals to EXT-Y, EXT-Key, and G/L, PLL will respond to the signals so there will be no change even if you adjust the frequency with VR1490.

1-2. Adjustment of Y output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, Y1 or Y2
ADJ.	VR1524 (Y)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	Y level: within 700±14 mV

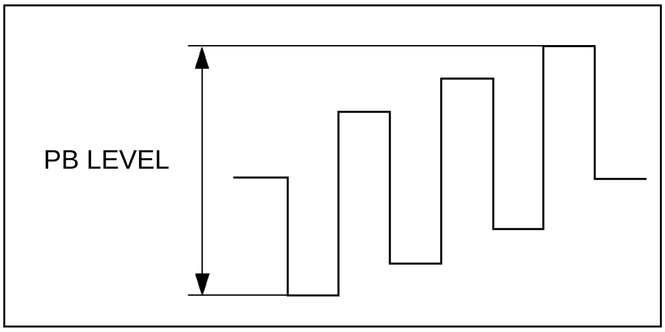
1. Adjust VR1524 (Y) so the Y1 or Y2 level of VIDEO OUT becomes 700±14 mV.



1-3. Adjustment of PB output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, PB1 or PB2
ADJ.	VR1522 (PB)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	PB level: within 525±10 mV

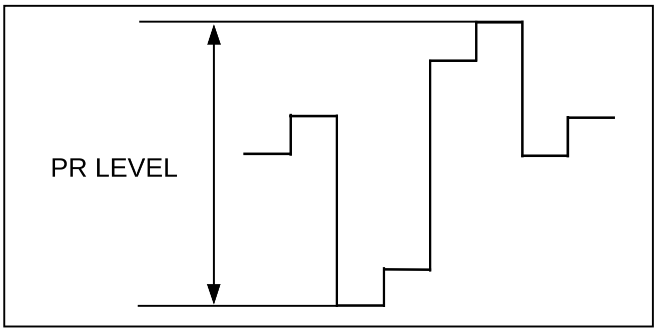
1. Adjust VR1522 (PB) so the PB1 or PB2 level of VIDEO OUT becomes 525±10 mV.



1-4. Adjustment of PR output gain of component signals

BOARD	MAIN BOARD
TP	VIDEO OUT, PR1 or PR2
ADJ.	VR1520 (PR)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = colorbar
M.EQ	Oscilloscope
SPEC.	PR level: within 525±10 mV

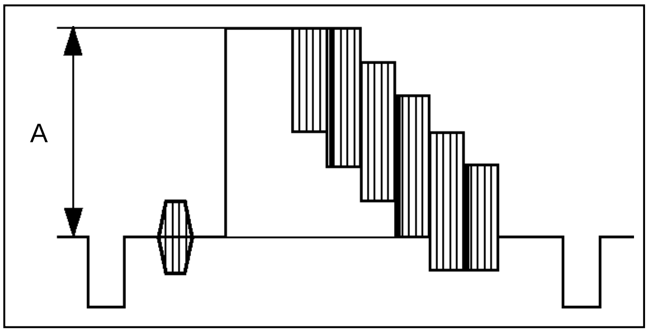
1. Adjust VR1520 (PR) so the PR1 or PR2 level of VIDEO OUT becomes 525±10 mV.



1-5. Adjustment of output gain of composite signals

BOARD	MAIN BOARD
TP	VIDEO OUT, V1 or V2
ADJ.	VR1525 (VIDEO)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	A = within 700±14mV

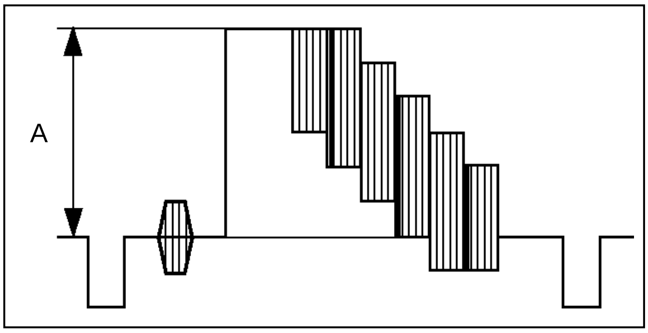
1. Adjust VR1525 (VIDEO) so the composite signal output level of V1 or V2 level of VIDEO OUT becomes 700±14mV.



1-6. Adjust output gain of PVW (preview)

BOARD	MAIN BOARD
TP	PREVIEW
ADJ.	VR1521 (AUX)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	A = within 700±14mV

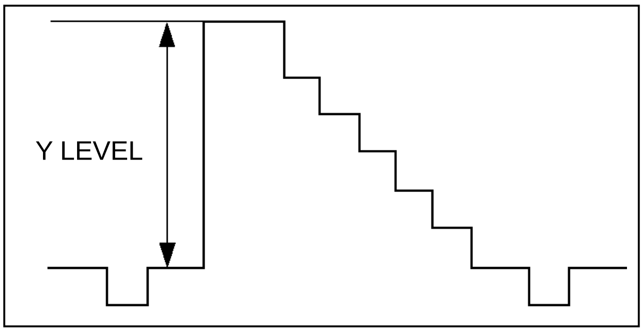
1. Adjust VR1521 (AUX) so the composite signal output level PVW (preview) becomes 700±14mV.



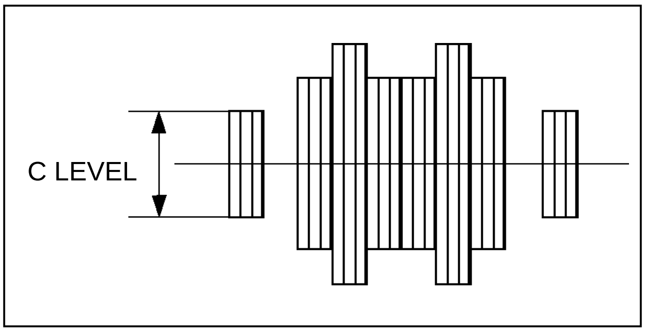
1-7. Adjustment of output gain of Y/C (S terminal) signals

BOARD	MAIN BOARD
TP	VIDEO OUT, YC1 or YC2
ADJ.	VR1561 (YCT), VR1523 (YCC)
INPUT	——
MODE	Cross point: A bus, B bus = INT LCD menu: Int Video = color bar
M.EQ	Oscilloscope
SPEC.	Y level: within 700 ±14 mV C level: within 300 ± 6 mV

1. Adjust VR1561 (YCT) so the Y level of YC1 or YC2 of VIDEO OUT becomes 700 ±14 mV.



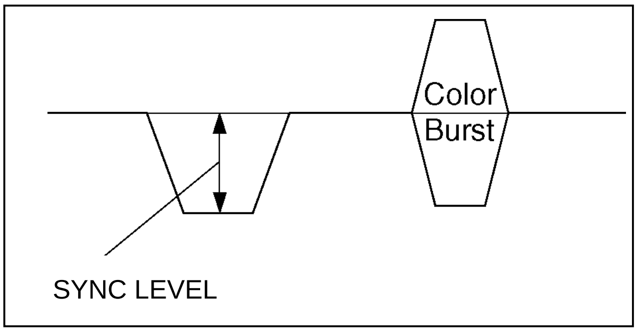
2. 2. Adjust VR1523 (YCC) so the C level of YC1 or YC2 of VIDEO OUT becomes 300 ± 6 mV.



1-8. Adjustment of output gain of ADV-REF signals

BOARD	MAIN BOARD
TP	ADV-REF
ADJ.	VR1560 (REF)
INPUT	——
MODE	——
M.EQ	Oscilloscope
SPEC.	SYNC level: within 300 ±6 mV

1. Adjust VR1560 (REF) so the SYNC level of ADV-REF becomes 300 ±6 mV



1-9. Preparation before starting the adjustment menu

BOARD	——
TP	——
ADJ.	——
INPUT	——
MODE	Adjustment menu mode
M.EQ	——
SPEC.	——

Do the following before starting the adjustment menu.

1. Make the pattern No.=0002.
   - a Press the PATTERN key (at the top left of the 10 key block) to light it.
     You do not have to press it if it is already lit.
   - b Press 0, 0, 0, 2, ↵ in order.
     The pattern No. is set to 0002.
2. Set SOURCE-1 to analog component input.
   - a In the LCD menu: Select the SETUP/Audio Video/InputSetup line.
   - b Press ↵ once. “OK?” appears.
   - c Press ↵ once again.
     The AudioVideoSetup screen appears.
   - d Change “Video” in the top line (“V S-1”) to “Y Pb Pr” with the rotary encoder.
   - e Press ↵ to exit the Audio Video Setup screen.
3. Confirm the settings: You do not have to do this if you have not changed the settings from the default.
   - a In the LCD menu: Check that SETUP/Gen. Lock/Refin = G/L. If it is not, change it so it is.

1-10. Starting the adjustment menu

BOARD	——
TP	——
ADJ.	——
INPUT	——
MODE	Adjustment menu mode
M.EQ	——
SPEC.	——

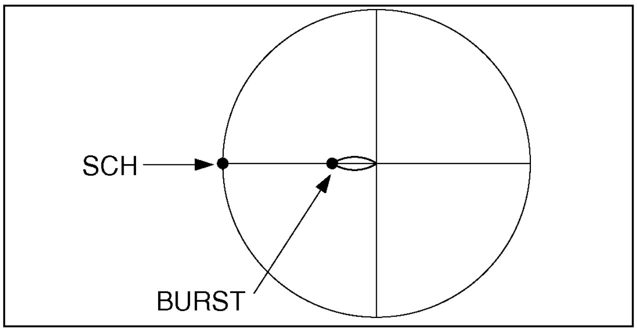
Start the adjustment menu.

1. Press SETUP so the SET UP screen appears on the LCD.
2. Press and hold 9 and SHIFT (in the 10-key block) for 3 seconds.
   The adjustment menu appears on the LCD.
3. In order, press 0 , 2 , 6 , – and ↵ .
   The unit is now ready to accept commands from the rotary encoder.

1-11. SCH adjustment

BOARD	MAIN BOARD
TP	VIDEO OUT V1 or V2
ADJ.	Adjustment menu/ rotary encoder
INPUT	——
MODE	Adjustment menu, A bus, B bus = SOURCE-1
M.EQ	SCH meter
SPEC.	SCH: within 0±2º

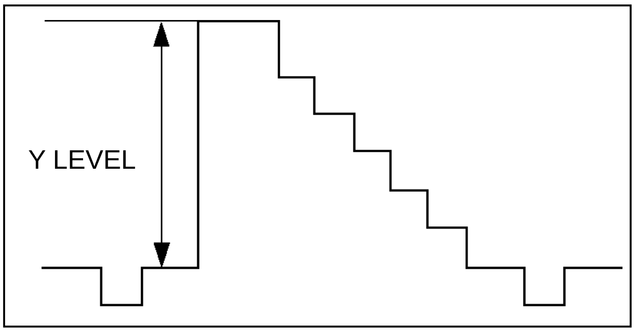
1. Adjust the SCH in the adjustment menu so the SCH of VIDEO OUT V1 or V2 becomes 0±2º.



1-12. Adjust component Y input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (Y-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	Y level: within 700±14mV

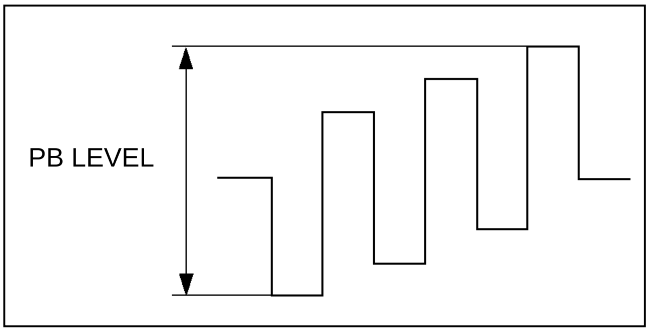
1. Use the rotary encoder to select “A-bus” in the adjustment menu.
2. Use the rotary encoder to adjust “Y-Gain” so the level of VIDEO OUT Y1 or Y2 becomes 700± 14mV.



1-13. Adjust component PB input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	PB level: within 525±10mV

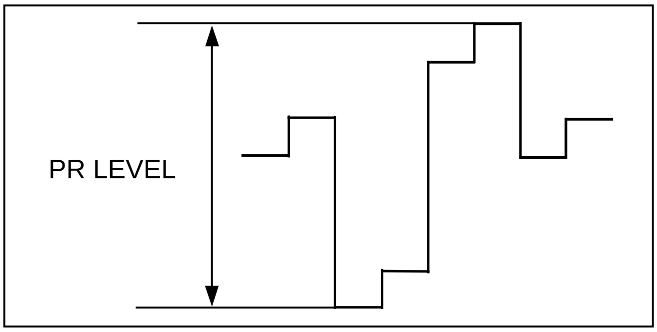
1. Use the rotary encoder to select “A-bus” in the adjustment menu.
2. Use the rotary encoder to adjust “PB -Gain” so the level of VIDEO OUT PB 1 or PB 2 becomes 525±10mV.



1-14. Adjust component PR input signal gain of the A bus

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to A bus side
M.EQ	Oscilloscope
SPEC.	PR level: within 525±10mV

1. Use the rotary encoder to select “A-bus” in the adjustment menu.
2. Use the rotary encoder to adjust “Pr -Gain” so the level of VIDEO OUT PR 1 or PR 2 becomes 525±10mV.

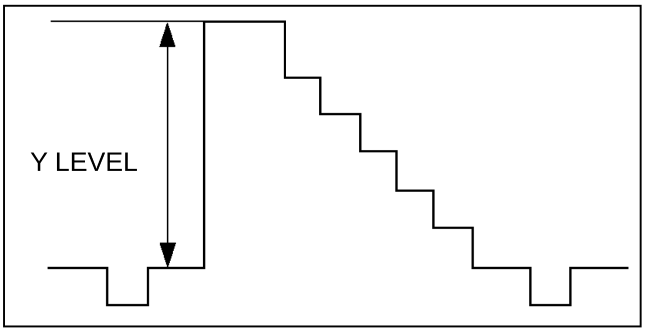


1-15. Adjust component Y input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (Y-Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	Y level: within 700±14mV

1. Use the rotary encoder to select "B-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "Y-Gain" so the level of VIDEO OUT Y1 or Y2 becomes 700±14mV.

   When doing this, check that the 100% white part of the oscilloscope wave is the same level as the A bus side.

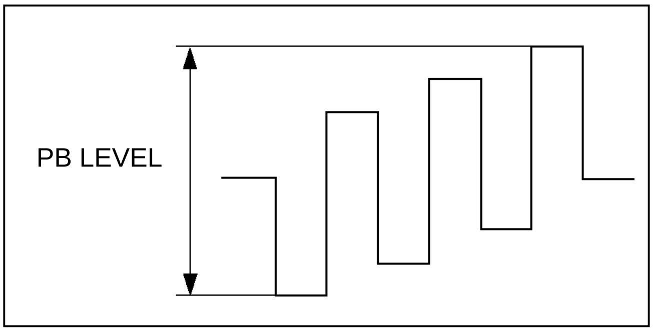


1-16. Adjust component PB input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	PB level: within 525±10mV

1. Use the rotary encoder to select "B-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "PB -Gain" so the level of VIDEO OUT PB 1 or PB 2 becomes 525±10mV.

   When doing this, check that the oscilloscope wave is the same level as the A bus side.

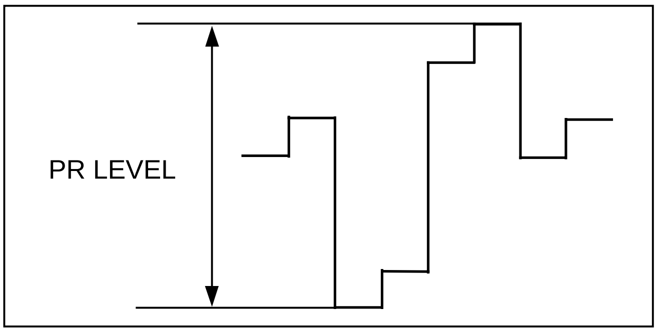


1-17. Adjust component PR input signal gain of the B bus

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = SOURCE-1 Take lever to center position (Both A and B buses appear on the monitor)
M.EQ	Oscilloscope
SPEC.	PR level: within 525±10mV

1. Use the rotary encoder to select "B-bus" in the adjustment menu.
2. Use the rotary encoder to adjust "Pr -Gain" so the level of VIDEO OUT PR 1 or PR 2 becomes 525±10mV.

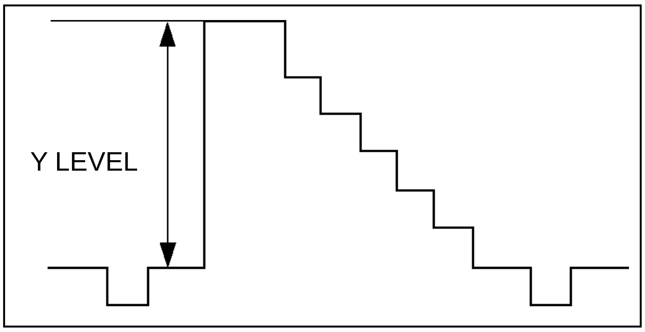
   When doing this, check that the oscilloscope wave is the same level as the A bus side.



1-18. Adjustment of EXT input signal gain

BOARD	MAIN BOARD
TP	VIDEO OUT Y1 or Y2
ADJ.	Adjustment menu/rotary encoder (EXT)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Y level: within 700±14mV

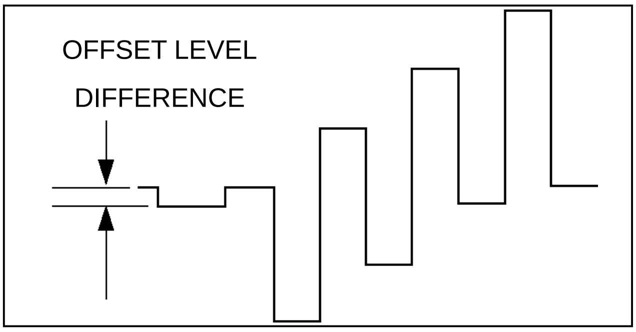
1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "Y-Gain" so the level of VIDEO OUT Y1 or Y2 becomes 700±14mV.



1-19. Adjustment of EXT input signal PB offset

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -OFST)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Difference between PB basic level and PB signal offset level: within 0±5mV

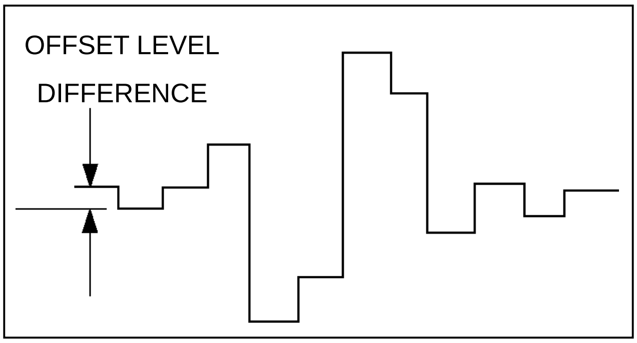
1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "PB -OFST" so difference between PB basic level and PB signal offset level is 0±5mV for VIDEO OUT PB 1 or PB 2.



1-20. Adjustment of EXT input signal PR offset

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -OFST)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	Difference between PR basic level and PR signal offset level: within 0±5mV

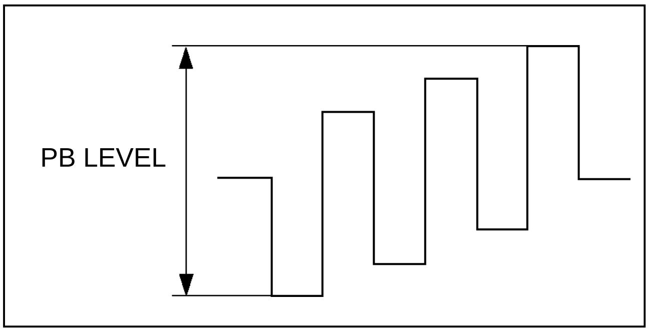
1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "PR -OFST" so difference between PR basic level and PR signal offset level is 0±5mV for VIDEO OUT PR 1 or PR 2.



1-21. Adjustment of EXT input signal PB gain

BOARD	MAIN BOARD
TP	VIDEO OUT PB 1 or PB 2
ADJ.	Adjustment menu/rotary encoder (Pb -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	PB level: within 525±10mV

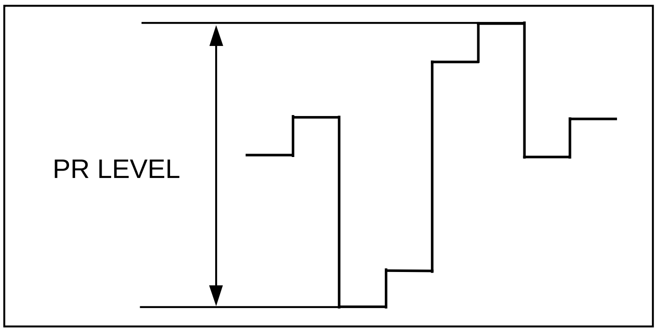
1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "PB -Gain" so the level of VIDEO OUT PB 1 or PB 2 becomes 525±10mV.



1-22. Adjustment of EXT input signal PR gain

BOARD	MAIN BOARD
TP	VIDEO OUT PR 1 or PR 2
ADJ.	Adjustment menu/rotary encoder (Pr -Gain)
INPUT	Analog component signal (75% color bar, 0 setup)
MODE	A bus, B bus = EXT Take lever to either A or B bus
M.EQ	Oscilloscope
SPEC.	PR level: within 525±10mV

1. Use the rotary encoder to select "EXT" in the adjustment menu.
2. Use the rotary encoder to adjust "Pr -Gain" so the level of VIDEO OUT PR 1 or PR 2 becomes 525±10mV.



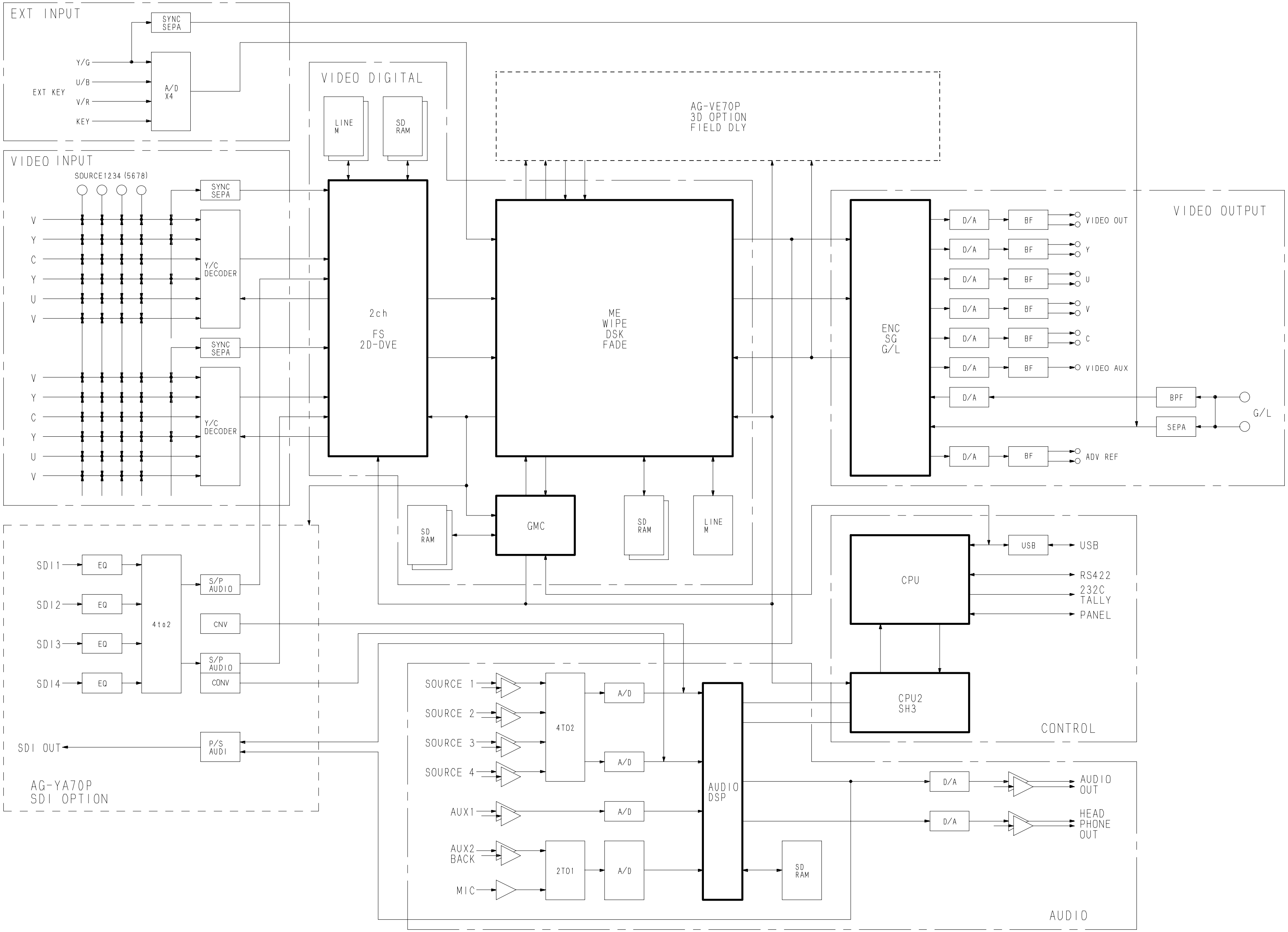
SECTION 4

BLOCK DIAGRAMS

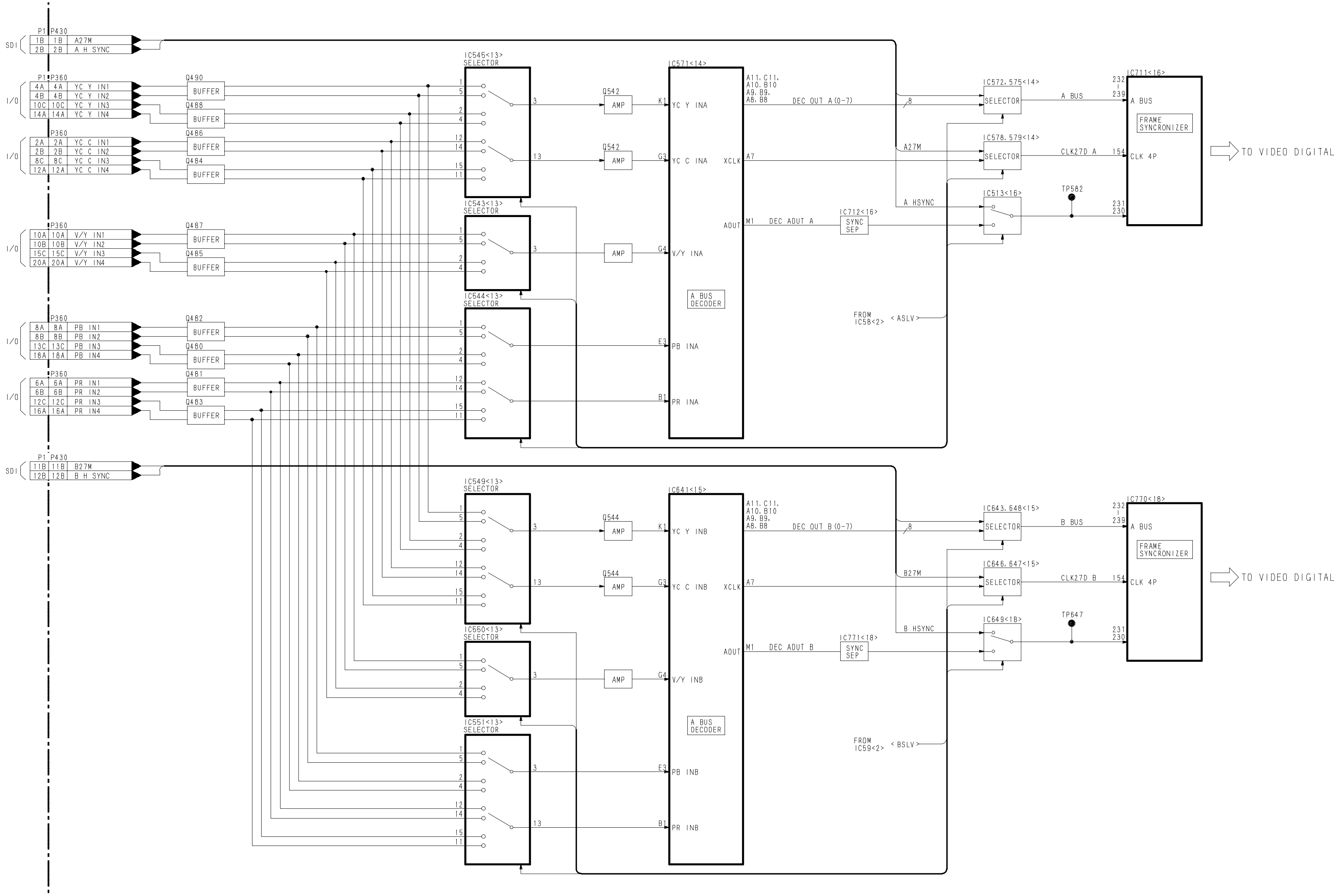
CONTENTS

OVERALL BLOCK DIAGRAM BLK-1
VIDEO INPUT BLOCK DIAGRAM BLK-2
EXT INPUT BLOCK DIAGRAM BLK-3
VIDEO DIGITAL BLOCK DIAGRAM BLK-4
VIDEO OUTPUT BLOCK DIAGRAM BLK-5
AUDIO BLOCK DIAGRAM BLK-6
CONTROL BLOCK DIAGRAM BLK-7
AG-YA70P SDI BLOCK DIAGRAM BLK-8
AG-VE70P 3D BLOCK DIAGRAM BLK-9

OVERALL BLOCK DIAGRAM

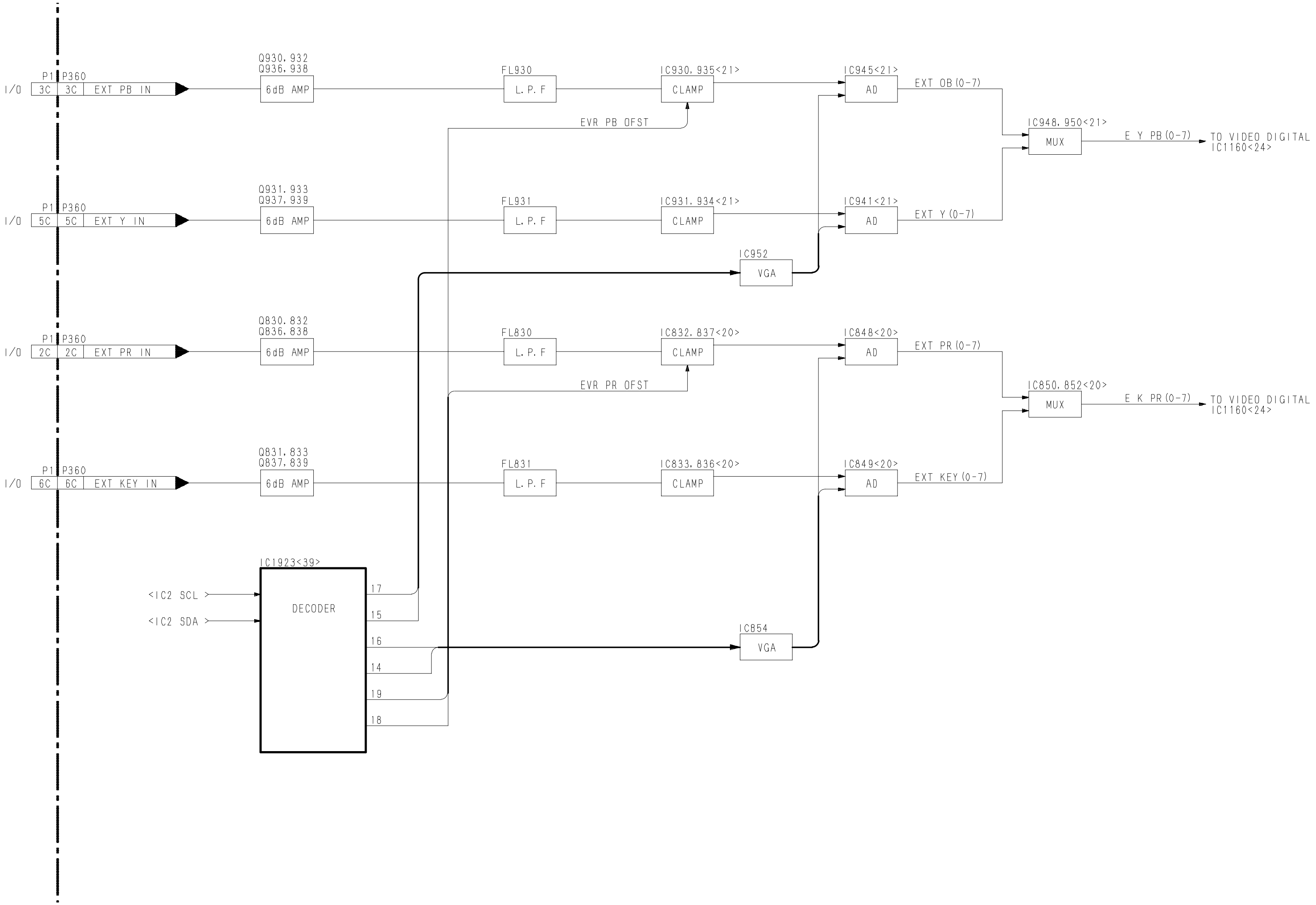

EXT INPUT
SYNC SEPA
Y/G
U/B
EXT KEY
V/R
KEY
A/D X4
VIDEO INPUT
SOURCE1234 (5678)
V
Y
C
Y
U
V
SYNC SEPA
Y/C DECODER
V
Y
C
Y
U
V
SYNC SEPA
Y/C DECODER
VIDEO DIGITAL
LINE M
SD RAM
2ch
FS
2D-DVE
AG-VE70P
3D OPTION
FIELD DLY
ME
WIPE
DSK
FADE
SD RAM
GMC
SD RAM
LINE M
VIDEO OUTPUT
ENC
SG
G/L
D/A
BF
VIDEO OUT
D/A
BF
Y
D/A
BF
U
D/A
BF
V
D/A
BF
C
D/A
BF
VIDEO AUX
D/A
BPF
G/L
SEPA
D/A
BF
ADV REF
SDI1
SDI2
SDI3
SDI4
EQ
EQ
EQ
EQ
4to2
S/P AUDIO
CNV
S/P AUDIO
CONV
SDI OUT
P/S AUDI
AG-YA70P
SDI OPTION
CPU
USB
USB
RS422
232C
TALLY
PANEL
CPU2
SH3
CONTROL
SOURCE 1
SOURCE 2
SOURCE 3
SOURCE 4
4TO2
A/D
A/D
AUX1
A/D
AUX2
BACK
MIC
2TO1
A/D
AUDIO DSP
SD RAM
D/A
AUDIO OUT
D/A
HEAD PHONE OUT
AUDIO

VIDEO INPUT BLOCK DIAGRAM

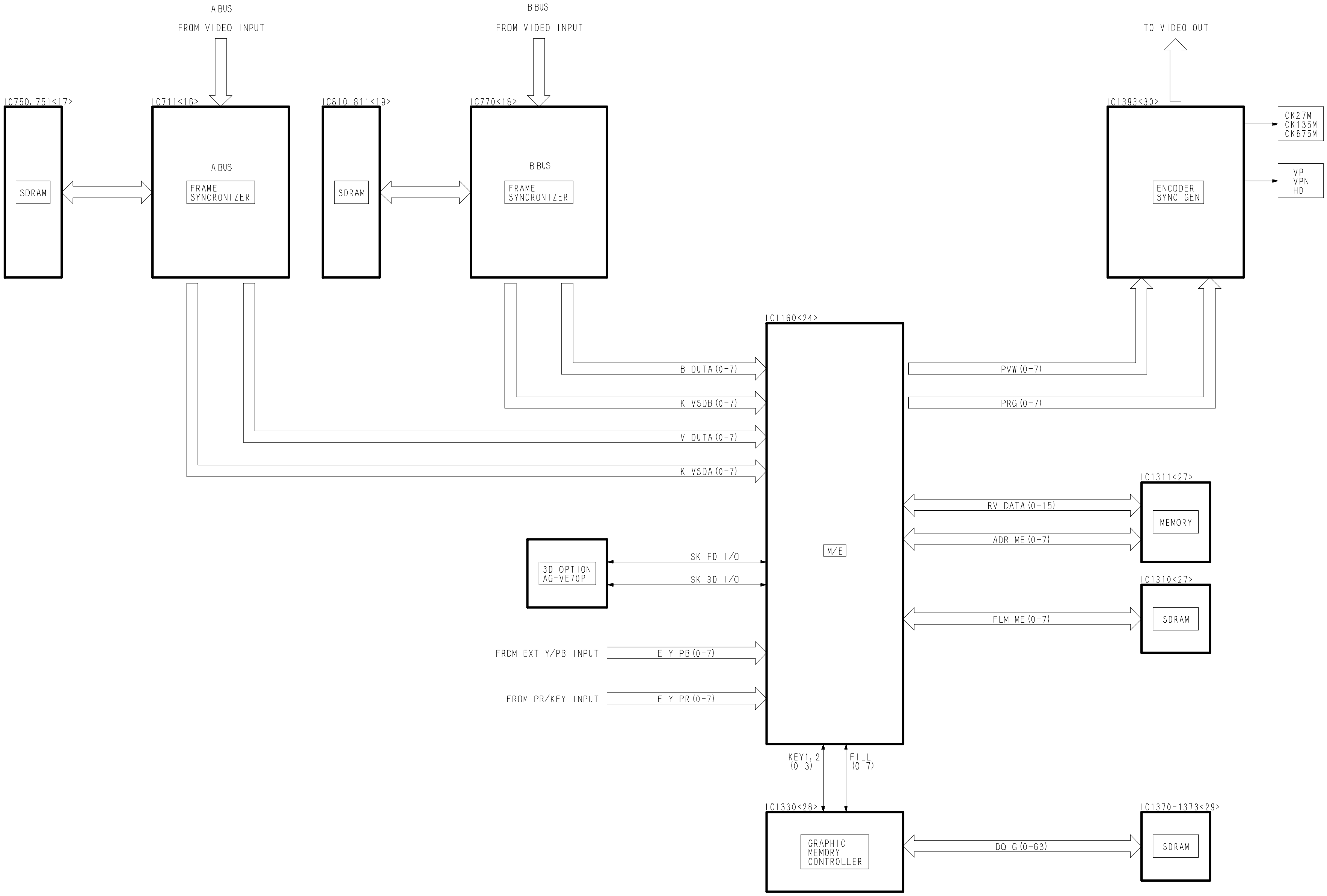

SDI
P1 P430
1B 1B A27M
2B 2B A H SYNC
I/O
P1 P360
4A 4A YC Y IN1
4B 4B YC Y IN2
10C 10C YC Y IN3
14A 14A YC Y IN4
P360
2A 2A YC C IN1
2B 2B YC C IN2
8C 8C YC C IN3
12A 12A YC C IN4
P360
10A 10A V/Y IN1
10B 10B V/Y IN2
15C 15C V/Y IN3
20A 20A V/Y IN4
P360
8A 8A PB IN1
8B 8B PB IN2
13C 13C PB IN3
18A 18A PB IN4
P360
6A 6A PR IN1
6B 6B PR IN2
12C 12C PR IN3
16A 16A PR IN4
P1 P430
11B 11B B27M
12B 12B B H SYNC
Q490 BUFFER
Q488 BUFFER
Q486 BUFFER
Q484 BUFFER
Q487 BUFFER
Q485 BUFFER
Q482 BUFFER
Q480 BUFFER
Q481 BUFFER
Q483 BUFFER
IC545<13> SELECTOR
IC543<13> SELECTOR
IC544<13> SELECTOR
IC549<13> SELECTOR
IC550<13> SELECTOR
IC551<13> SELECTOR
1 5 2 4 12 14 15 11 3 13
Q542 AMP
Q542 AMP
AMP
Q544 AMP
Q544 AMP
AMP
IC571<14>
K1 YC Y INA
G3 YC C INA
G4 V/Y INA
E3 PB INA
B1 PR INA
XCLK
AOUT
A BUS DECODER
A11, C11, A10, B10 A9, B9, A8, B8
DEC OUT A (0-7)
8
A7
M1 DEC AOUT A
IC712<16> SYNC SEP
A27M
A HSYNC
FROM IC58<2> < ASLV >
IC572, 575<14> SELECTOR
IC578, 579<14> SELECTOR
IC513<16>
TP582
A BUS
CLK27D A
IC711<16>
232 239 A BUS
FRAME SYNCRONIZER
154 CLK 4P
231 230
TO VIDEO DIGITAL
IC641<15>
K1 YC Y INB
G3 YC C INB
G4 V/Y INB
E3 PB INB
B1 PR INB
XCLK
AOUT
A BUS DECODER
A11, C11, A10, B10 A9, B9, A8, B8
DEC OUT B (0-7)
8
A7
M1 DEC AOUT B
IC771<18> SYNC SEP
B27M
B HSYNC
FROM IC59<2> < BSLV >
IC643, 648<15> SELECTOR
IC646, 647<15> SELECTOR
IC649<18>
TP647
B BUS
CLK27D B
IC770<18>
232 239 A BUS
FRAME SYNCRONIZER
154 CLK 4P
231 230
TO VIDEO DIGITAL

BLK-2

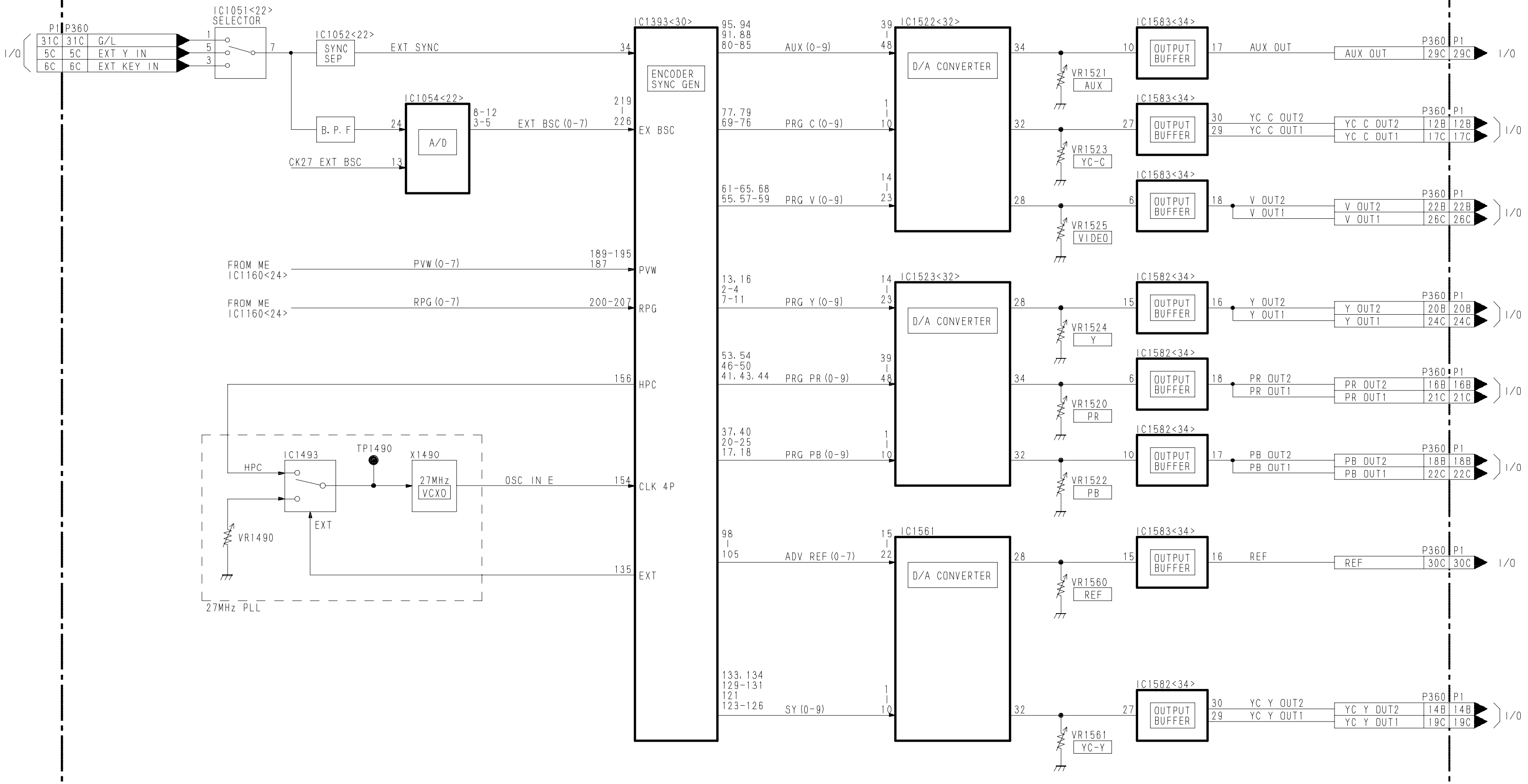
EXT INPUT BLOCK DIAGRAM


I/O
P1
P360
3C
EXT PB IN
5C
EXT Y IN
2C
EXT PR IN
6C
EXT KEY IN
Q930, 932
Q936, 938
6dB AMP
Q931, 933
Q937, 939
Q830, 832
Q836, 838
Q831, 833
Q837, 839
FL930
FL931
FL830
FL831
L.P.F
IC930, 935<21>
IC931, 934<21>
IC832, 837<20>
IC833, 836<20>
CLAMP
EVR PB OFST
EVR PR OFST
IC952
IC854
VGA
IC945<21>
IC941<21>
IC848<20>
IC849<20>
AD
EXT OB(0-7)
EXT Y(0-7)
EXT PR(0-7)
EXT KEY(0-7)
IC948, 950<21>
IC850, 852<20>
MUX
E Y PB(0-7)
E K PR(0-7)
TO VIDEO DIGITAL
IC1160<24>
IC1923<39>
DECODER
<IC2 SCL >
<IC2 SDA >
17
15
16
14
19
18

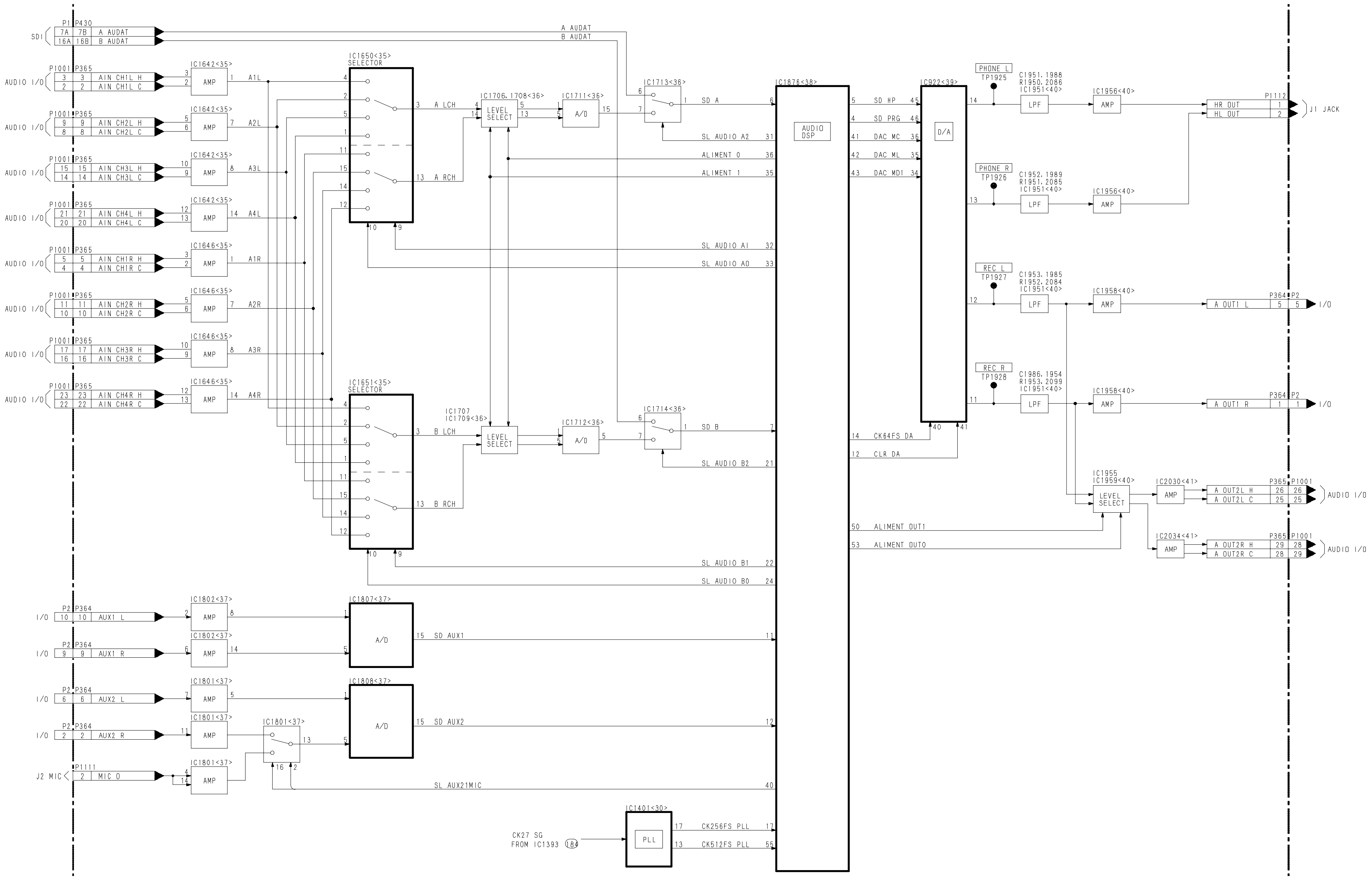
VIDEO DIGITAL BLOCK DIAGRAM


A BUS
FROM VIDEO INPUT
B BUS
FROM VIDEO INPUT
TO VIDEO OUT
IC750, 751<17>
SDRAM
IC711<16>
A BUS
FRAME SYNCRONIZER
IC810, 811<19>
SDRAM
IC770<18>
B BUS
FRAME SYNCRONIZER
IC1393<30>
ENCODER SYNC GEN
CK27M
CK135M
CK675M
VP
VPN
HD
IC1160<24>
M/E
B OUTA (0-7)
K VSDB (0-7)
V OUTA (0-7)
K VSDA (0-7)
PVW (0-7)
PRG (0-7)
IC1311<27>
MEMORY
RV DATA (0-15)
ADR ME (0-7)
IC1310<27>
SDRAM
FLM ME (0-7)
3D OPTION AG-VE70P
SK FD I/O
SK 3D I/O
FROM EXT Y/PB INPUT
E Y PB (0-7)
FROM PR/KEY INPUT
E Y PR (0-7)
KEY1, 2 (0-3)
FILL (0-7)
IC1330<28>
GRAPHIC MEMORY CONTROLLER
IC1370-1373<29>
SDRAM
DQ G (0-63)

VIDEO OUTPUT BLOCK DIAGRAM


I/O
P1
P360
31C
5C
6C
G/L
EXT Y IN
EXT KEY IN
IC1051<22>
SELECTOR
IC1052<22>
SYNC SEP
EXT SYNC
B.P.F
IC1054<22>
A/D
8-12
3-5
EXT BSC (0-7)
CK27 EXT BSC
FROM ME
IC1160<24>
PVW (0-7)
RPG (0-7)
HPC
IC1493
TP1490
X1490
27MHz
VCXO
OSC IN E
EXT
VR1490
27MHz PLL
IC1393<30>
ENCODER SYNC GEN
EX BSC
PVW
RPG
HPC
CLK 4P
EXT
95, 94
91, 88
80-85
AUX (0-9)
77, 79
69-76
PRG C (0-9)
61-65, 68
55, 57-59
PRG V (0-9)
13, 16
2-4
7-11
PRG Y (0-9)
53, 54
46-50
41, 43, 44
PRG PR (0-9)
37, 40
20-25
17, 18
PRG PB (0-9)
98
105
ADV REF (0-7)
133, 134
129-131
121
123-126
SY (0-9)
IC1522<32>
IC1523<32>
IC1561
D/A CONVERTER
VR1521
AUX
VR1523
YC-C
VR1525
VIDEO
VR1524
Y
VR1520
PR
VR1522
PB
VR1560
REF
VR1561
YC-Y
IC1583<34>
IC1582<34>
OUTPUT BUFFER
AUX OUT
YC C OUT2
YC C OUT1
V OUT2
V OUT1
Y OUT2
Y OUT1
PR OUT2
PR OUT1
PB OUT2
PB OUT1
REF
YC Y OUT2
YC Y OUT1
29C
12B
17C
22B
26C
20B
24C
16B
21C
18B
22C
30C
14B
19C

AUDIO BLOCK DIAGRAM


SDI
P1 P430
7A 7B A AUDAT
16A 16B B AUDAT
A AUDAT
B AUDAT
AUDIO I/O
P1001 P365
3 3 AIN CH1L H
2 2 AIN CH1L C
9 9 AIN CH2L H
8 8 AIN CH2L C
15 15 AIN CH3L H
14 14 AIN CH3L C
21 21 AIN CH4L H
20 20 AIN CH4L C
5 5 AIN CH1R H
4 4 AIN CH1R C
11 11 AIN CH2R H
10 10 AIN CH2R C
17 17 AIN CH3R H
16 16 AIN CH3R C
23 23 AIN CH4R H
22 22 AIN CH4R C
IC1642<35>
IC1646<35>
AMP
A1L
A2L
A3L
A4L
A1R
A2R
A3R
A4R
IC1650<35>
SELECTOR
IC1651<35>
SELECTOR
A LCH
A RCH
B LCH
B RCH
IC1706, 1708<36>
IC1707
IC1709<36>
LEVEL SELECT
IC1711<36>
IC1712<36>
A/D
IC1713<36>
IC1714<36>
SD A
SD B
SL AUDIO A2
ALIMENT 0
ALIMENT 1
SL AUDIO A1
SL AUDIO A0
SL AUDIO B2
SL AUDIO B1
SL AUDIO B0
IC1876<38>
AUDIO DSP
IC922<39>
D/A
SD HP
SD PRG
DAC MC
DAC ML
DAC MD1
CK64FS DA
CLR DA
ALIMENT OUT1
ALIMENT OUT0
PHONE L
TP1925
C1951, 1988
R1950, 2086
IC1951<40>
PHONE R
TP1926
C1952, 1989
R1951, 2085
IC1951<40>
REC L
TP1927
C1953, 1985
R1952, 2084
IC1951<40>
REC R
TP1928
C1986, 1954
R1953, 2099
IC1951<40>
LPF
IC1956<40>
IC1958<40>
AMP
P1112
HR OUT 1
HL OUT 2
J1 JACK
P364 P2
A OUT1 L 5 5
A OUT1 R 1 1
I/O
IC1955
IC1959<40>
LEVEL SELECT
IC2030<41>
IC2034<41>
P365 P1001
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9 9 AUX1 R
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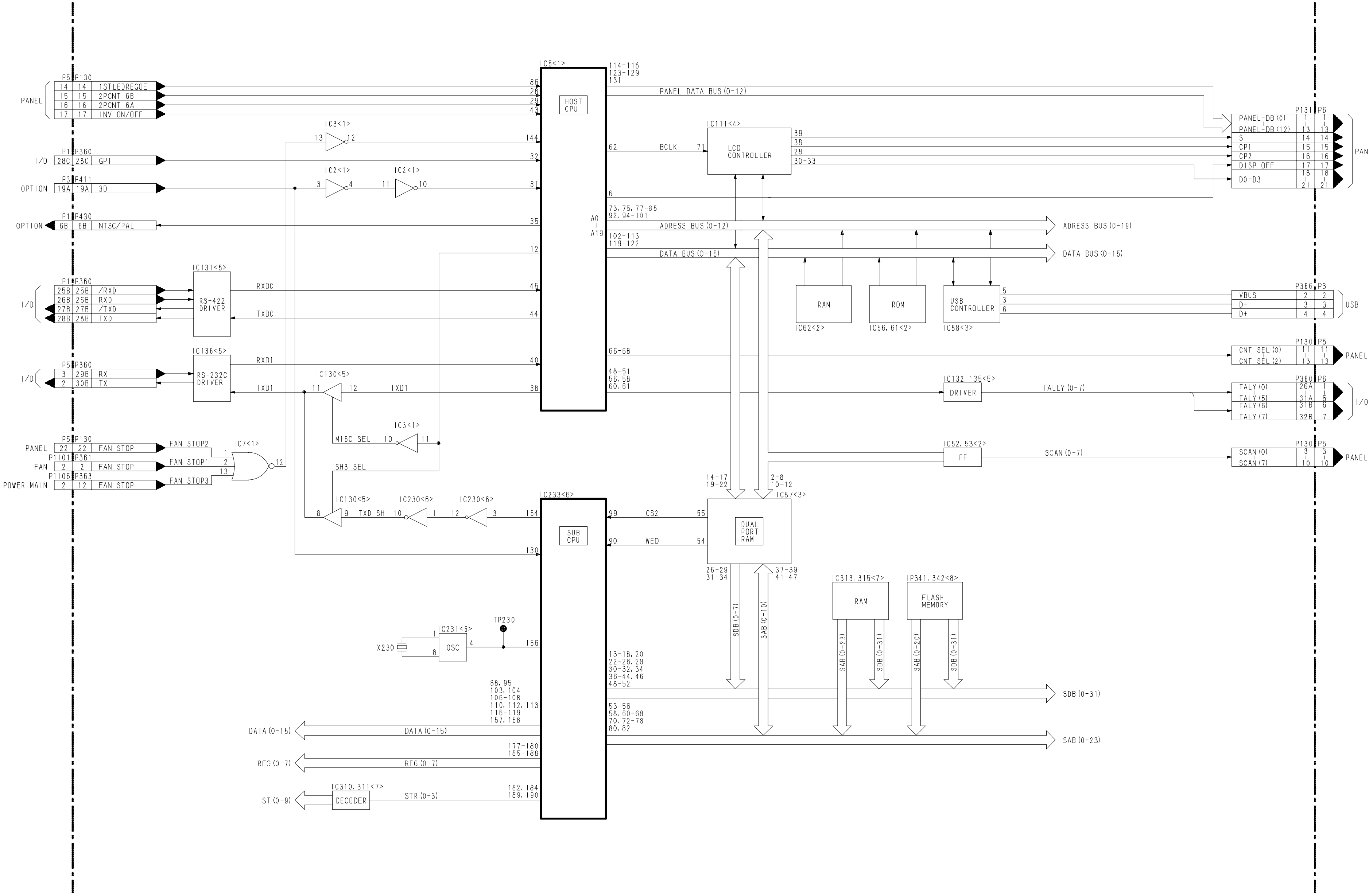
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15 15 2PCNT 6B
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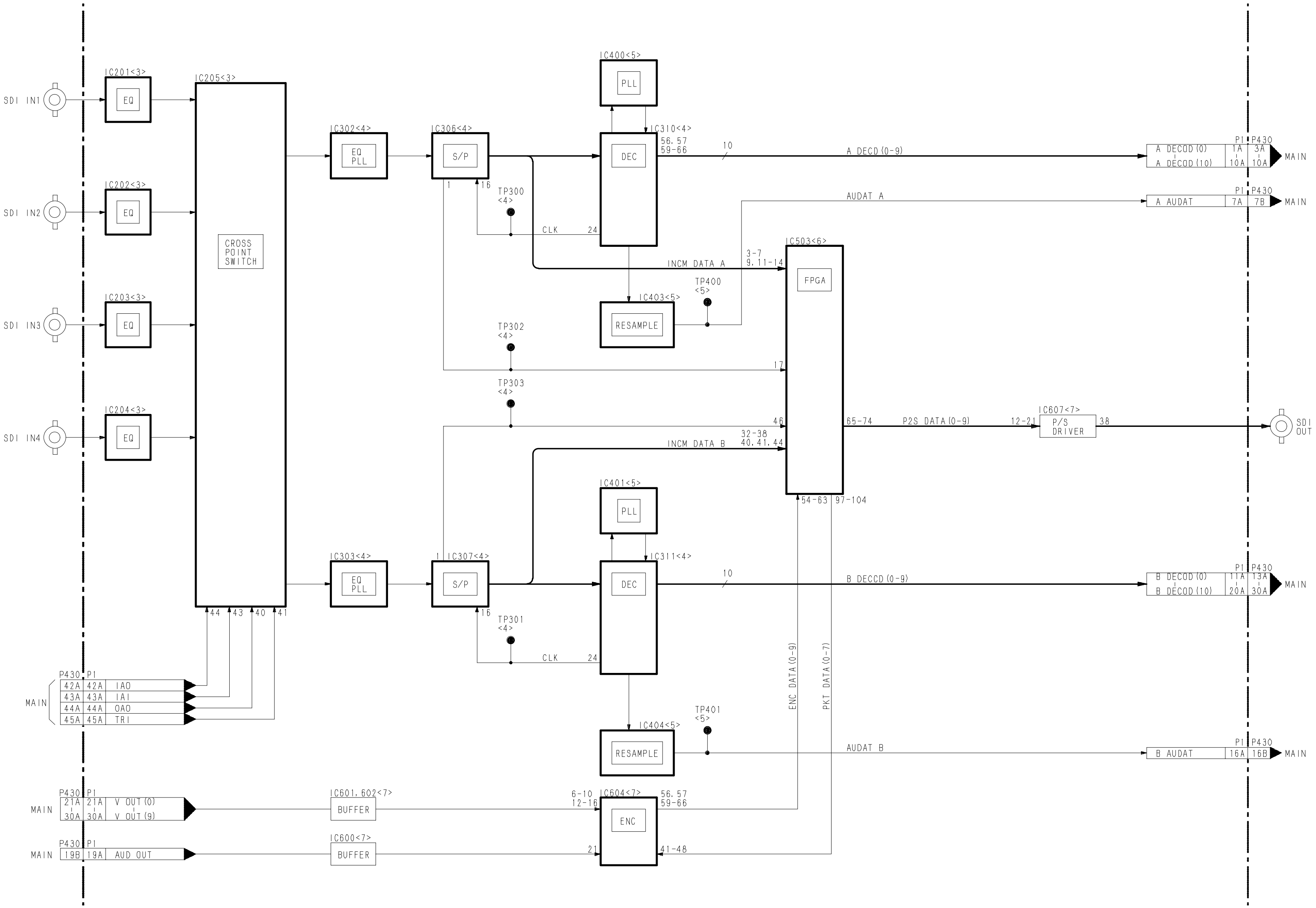
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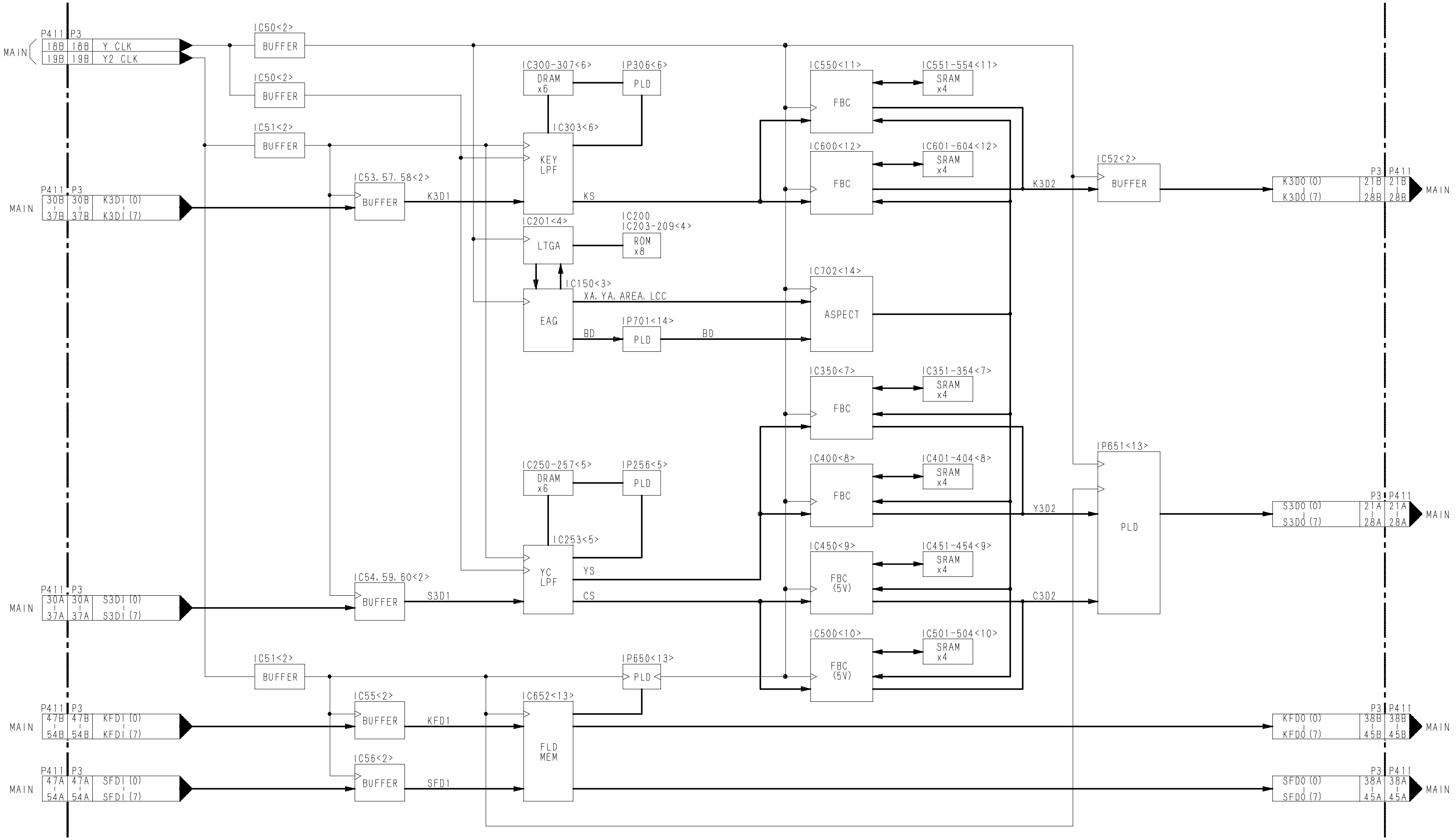

MAIN
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45A 45A
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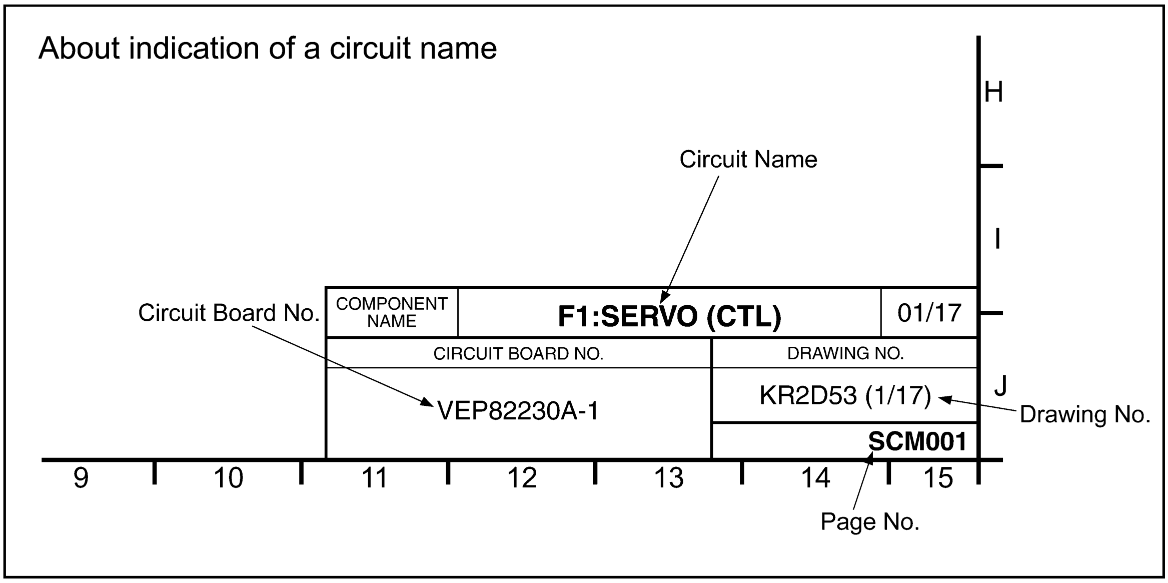
SECTION 5

SCHEMATIC DIAGRAMS


About indication of a circuit name
H
I
J
Circuit Name
Circuit Board No.
COMPONENT NAME
F1:SERVO (CTL)
01/17
CIRCUIT BOARD NO.
DRAWING NO.
VEP82230A-1
KR2D53 (1/17)
Drawing No.
SCM001
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Page No.

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION ?

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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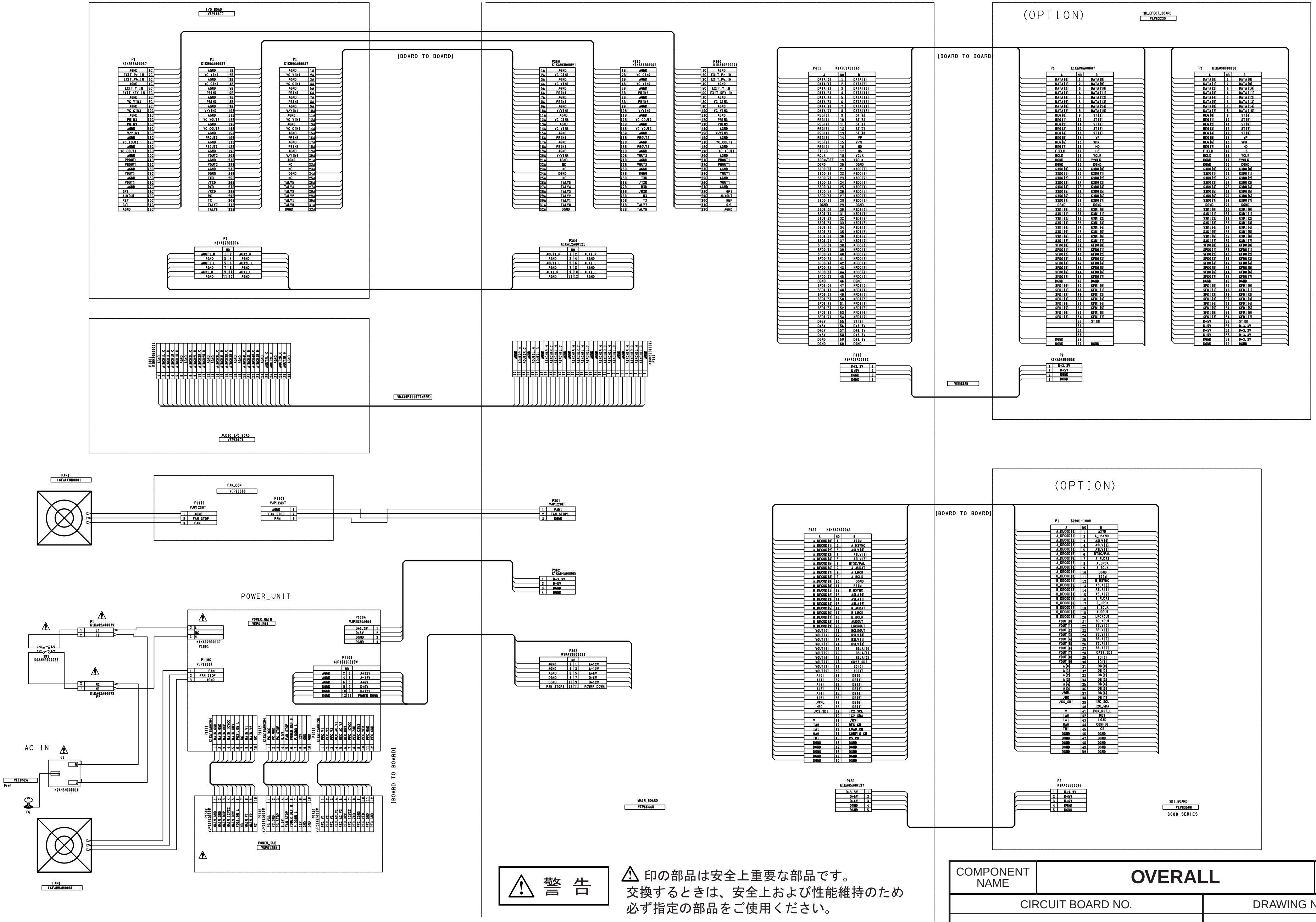
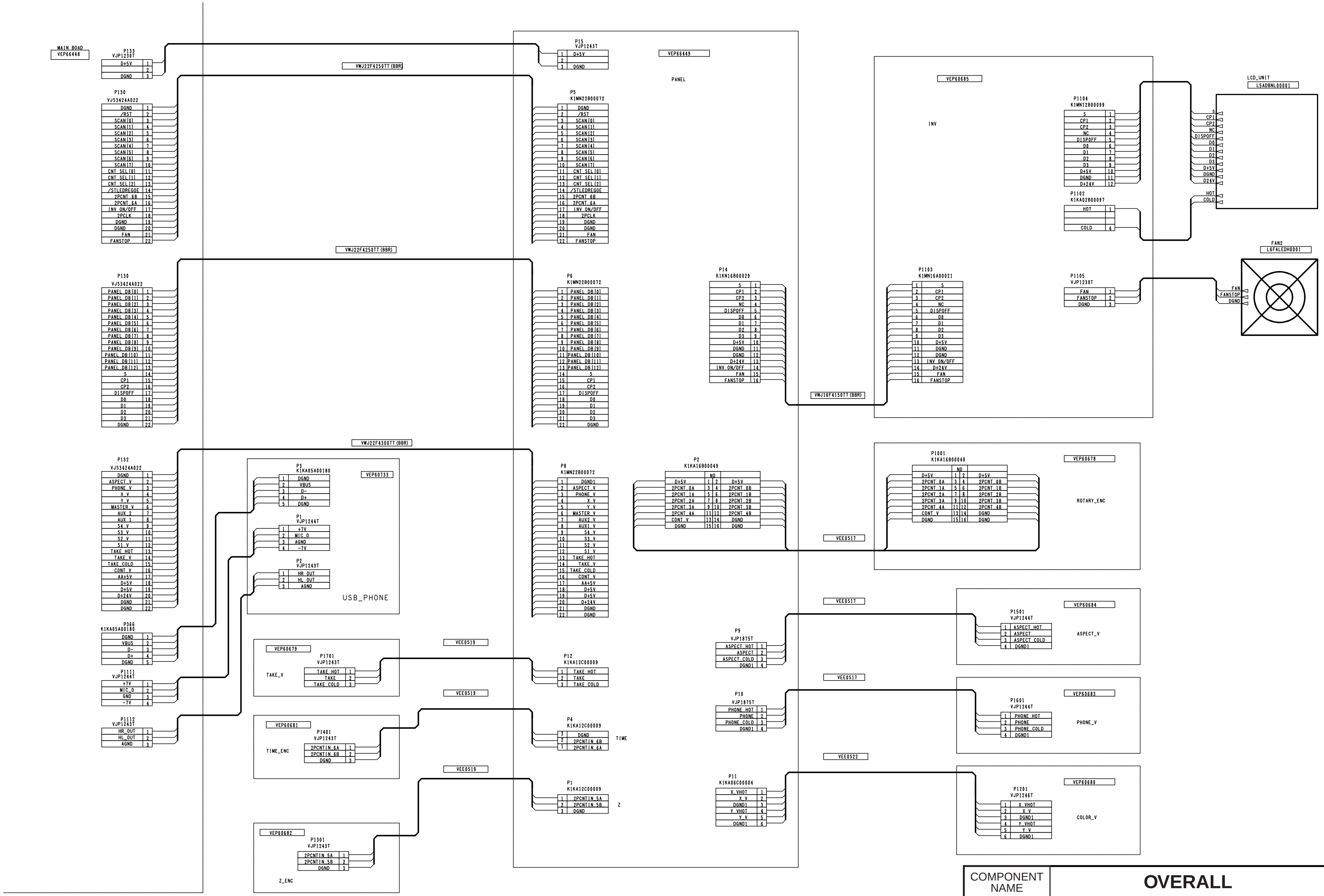

[BOARD TO BOARD]
(OPTION)
(OPTION)
POWER_UNIT
AC IN

COMPONENT NAME	OVERALL	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP*****	KR9K14 (1/2) (0)	
	SCM001	

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.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VWJ22F4250TT (BBR)
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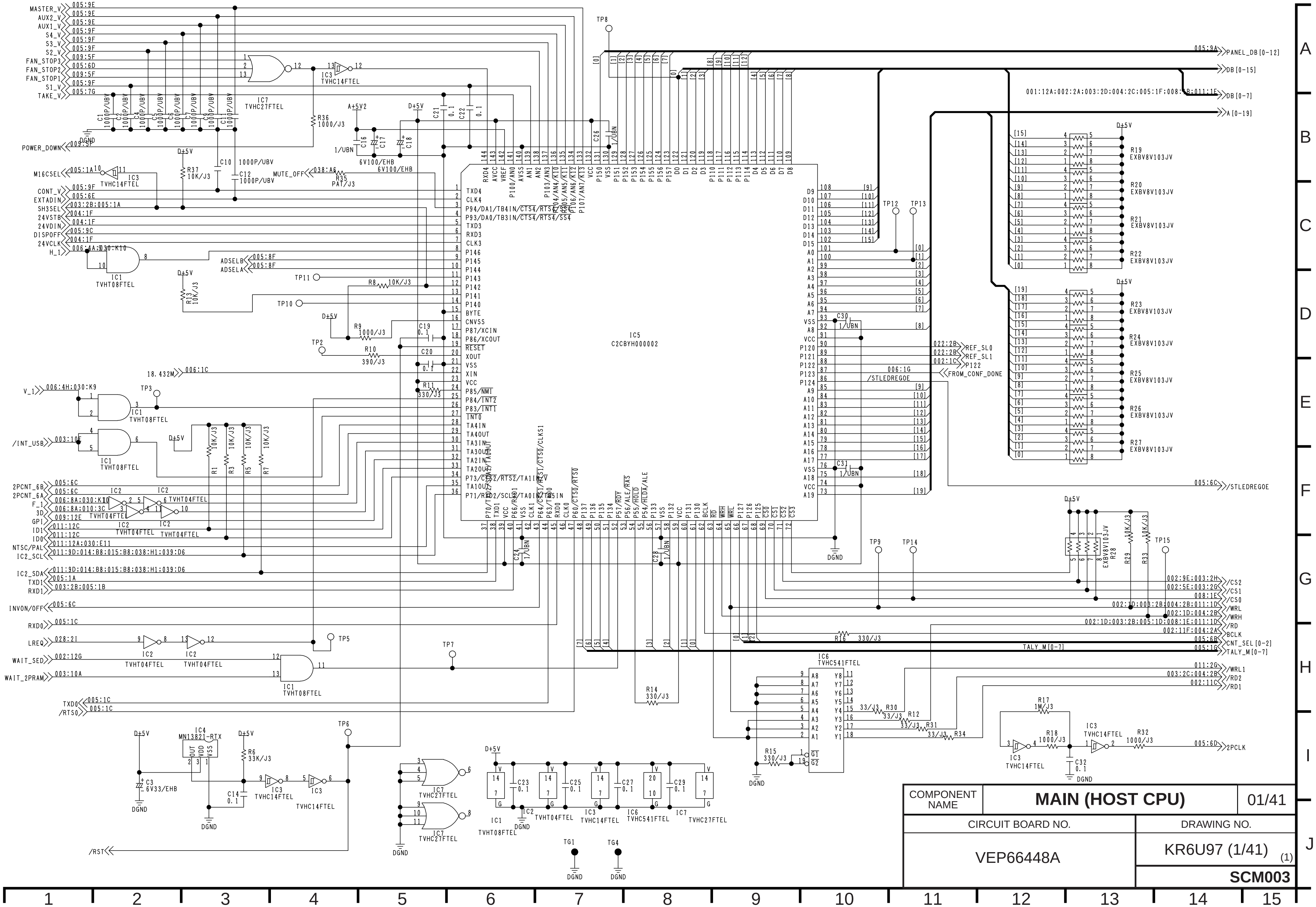
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AUX1_V
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S3_V
S2_V
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FAN_STOP2
FAN_STOP1
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R21 EXBV8V103JV
R22 EXBV8V103JV
R23 EXBV8V103JV
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/RD2
/RD1
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IC2 TVHT04FTEL
IC3 TVHC14FTEL
IC7 TVHC27FTEL
TG1
TG4
DGND
D+5V
A+5V2

COMPONENT NAME	MAIN (HOST CPU)	01/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (1/41) (1)	
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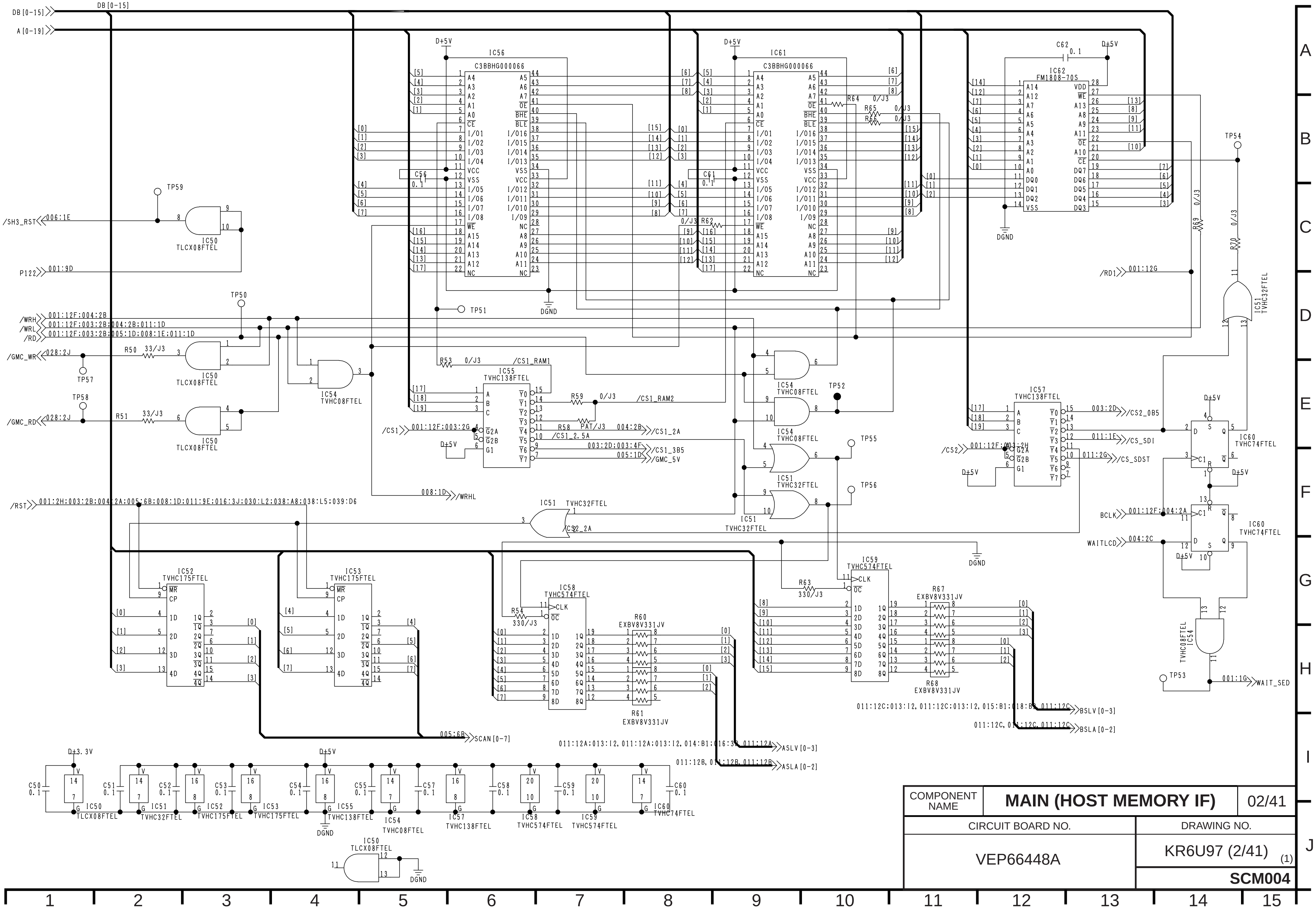
DB[0-15]
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IC56
C3BBHG000066
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C62
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IC62
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C61
0.1
R64 0/J3
R65 0/J3
R66 0/J3
R62 0/J3
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/WRL 001:12F:003:2B:004:2B:011:1D
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/CS1_RAM1
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TVHC138FTEL
R59 0/J3
/CS1_RAM2
R58 PAT/J3
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/CS1 001:12F:003:2G
/CS1_2.5A
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008:1D /WRHL
/RST 001:2H:003:2B:004:2A:005:6B:008:1D:011:9E:016:3J:030:L2:038:A8:038:L5:039:D6
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TP56
TP54
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R70 0/J3
/RD1 001:12G
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011:1E /CS_SDI
011:2G /CS_SDST
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R68
EXBV8V331JV
011:12C:013:I2, 011:12C:013:I2, 015:B1:018:B5 011:12C BSLV[0-3]
011:12C, 011:12C, 011:12C BSLA[0-2]
011:12A:013:I2, 011:12A:013:I2, 014:B1:016:3B 011:12A ASLV[0-3]
011:12B, 011:12B, 011:12B ASLA[0-2]
D+3.3V
C50 0.1
C51 0.1
C52 0.1
C53 0.1
C54 0.1
C55 0.1
C57 0.1
C58 0.1
C59 0.1
C60 0.1
IC50 TLCX08FTEL
IC51 TVHC32FTEL
IC52 TVHC175FTEL
IC53 TVHC175FTEL
IC55 TVHC138FTEL
IC54 TVHC08FTEL
IC57 TVHC138FTEL
IC58 TVHC574FTEL
IC59 TVHC574FTEL
IC60 TVHC74FTEL
IC50
TLCX08FTEL
DGND
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
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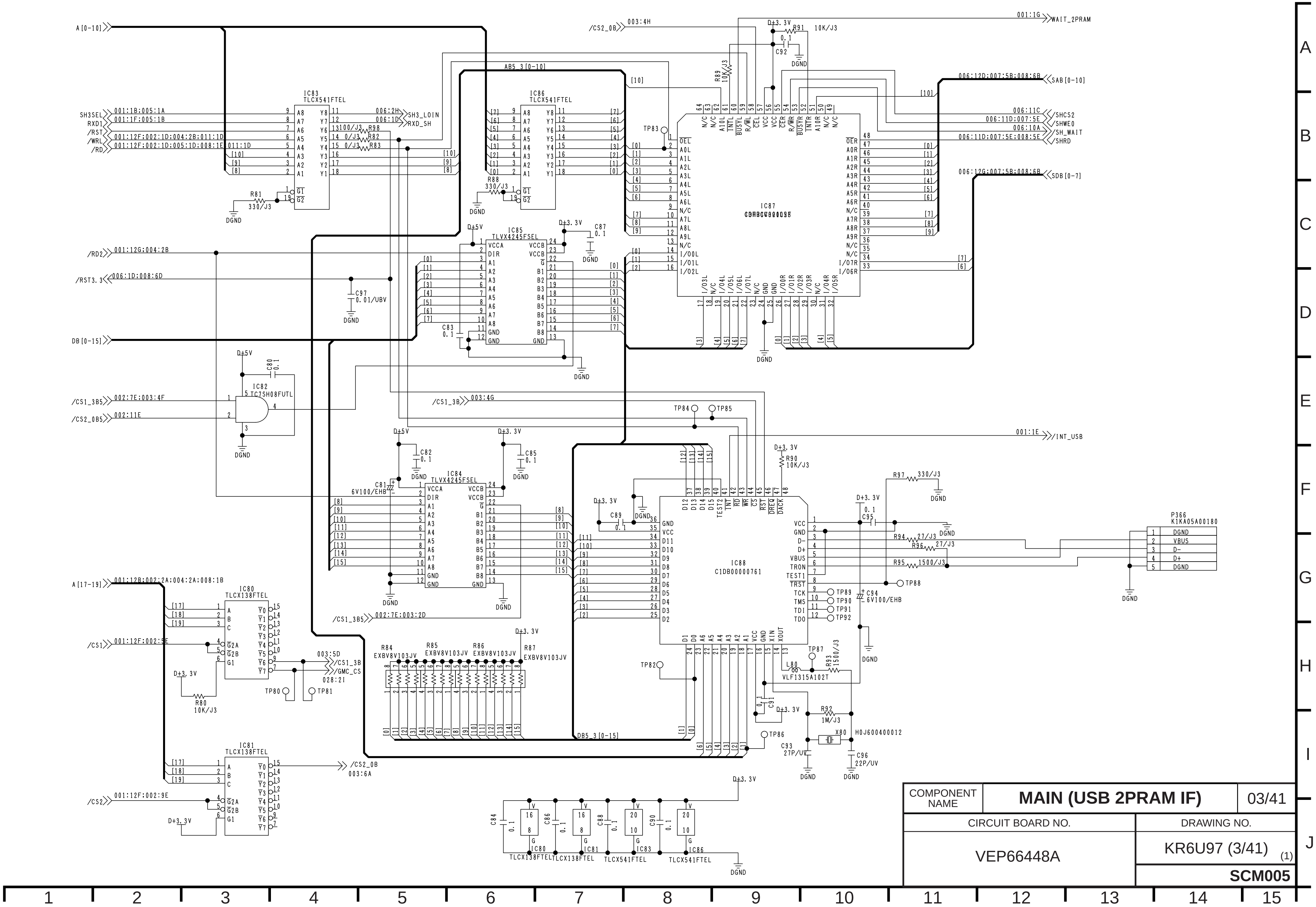
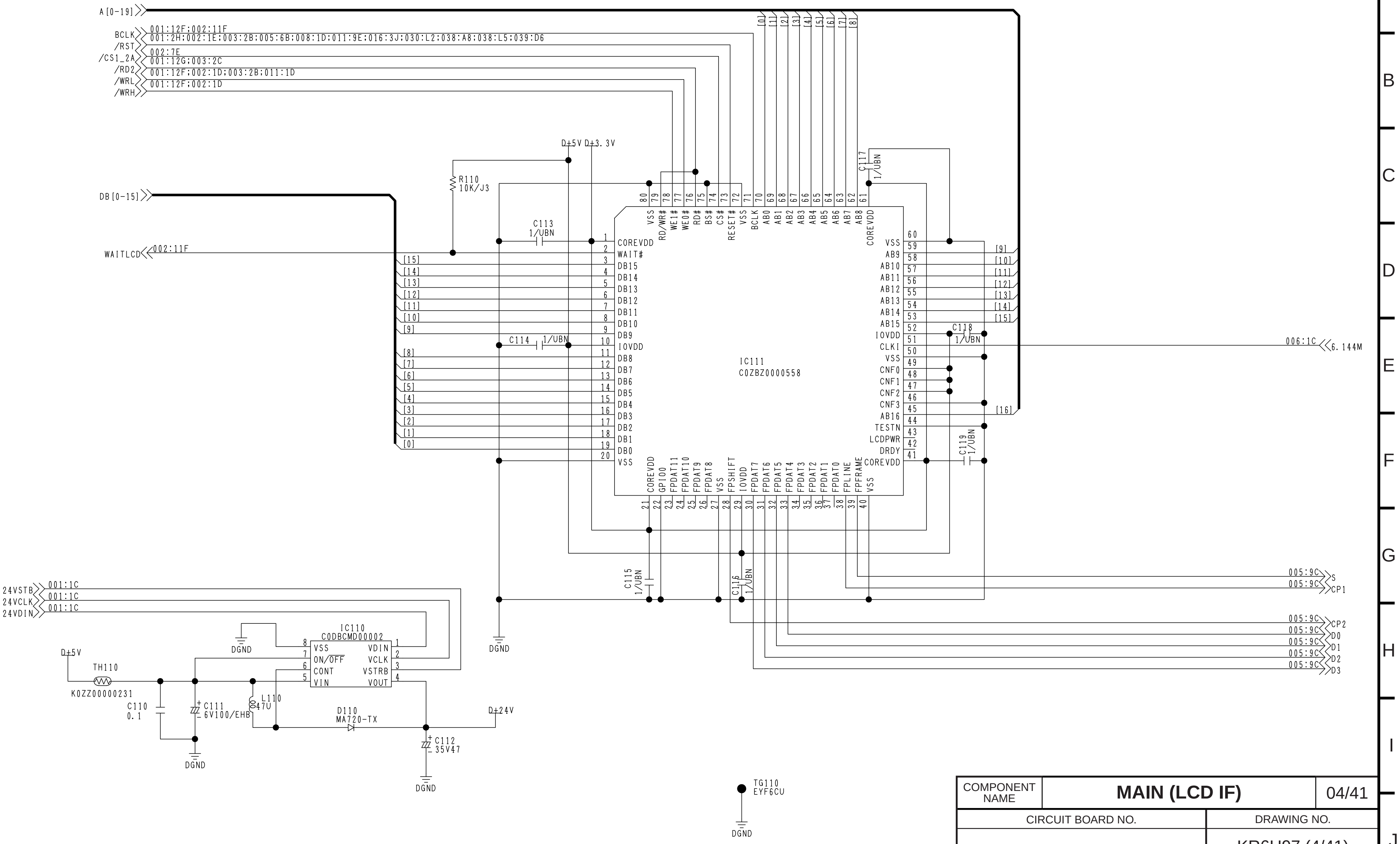
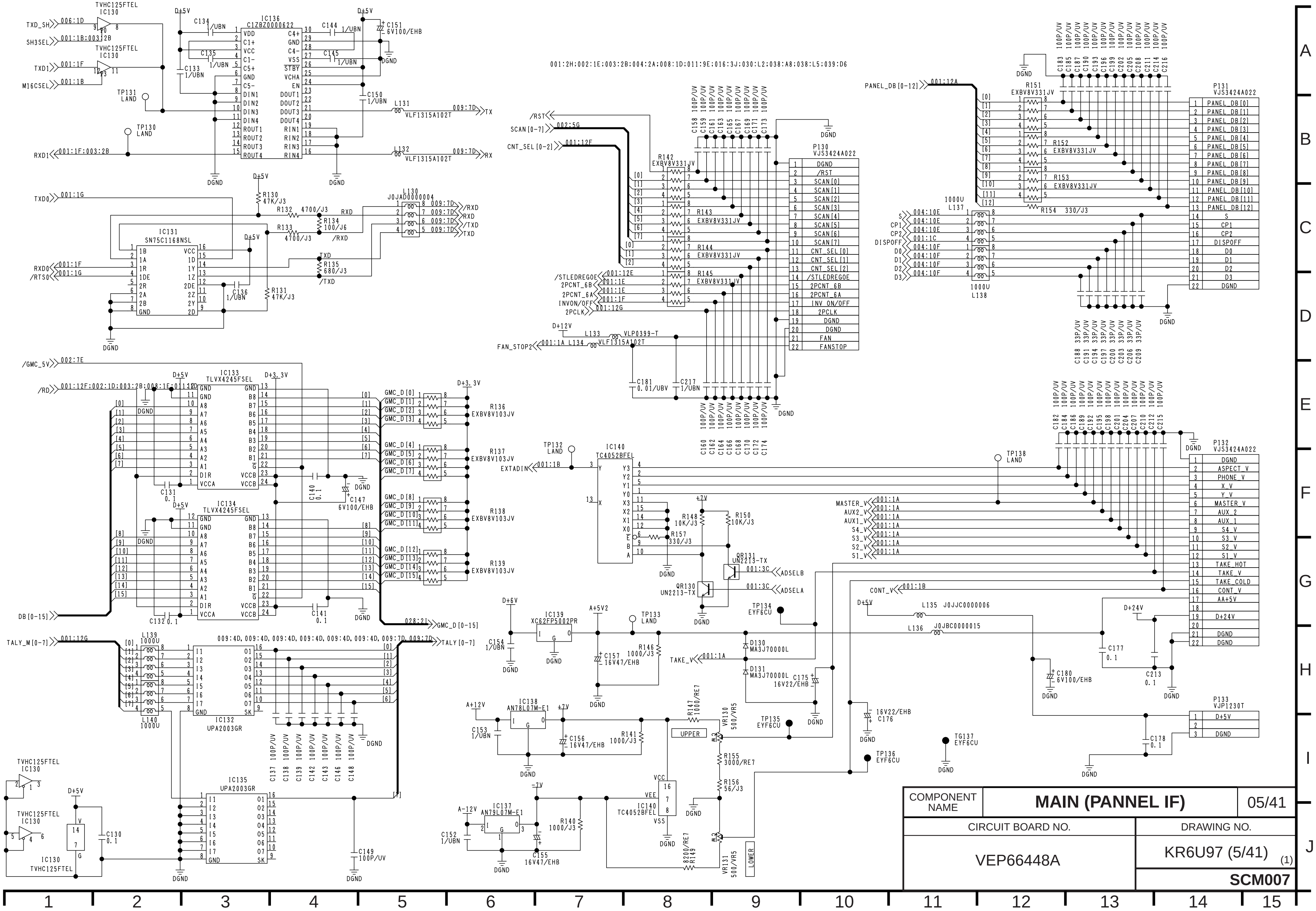
COMPONENT NAME	**MAIN (HOST MEMORY IF)**	02/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (2/41) (1)	
	SCM004	


A[0-10]
/CS2_0B
003:4H
D+3.3V
R91 10K/J3
001:1G
WAIT_2PRAM
C92 0.1
DGND
R89 10K/J3
AB5_3[0-10]
006:12D;007:5B;008:6B
SAB[0-10]
IC83
TLCX541FTEL
IC86
TLCX541FTEL
SH3SEL
RXD1
/RST
/WRL
/RD
001:1B;005:1A
001:1F;005:1B
001:12F;002:1D;004:2B;011:1D
001:12F;002:1D;005:1D;008:1E
006:2H
SH3_LOIN
006:1D
RXD_SH
R98 100/J3
R82 0/J3
R83 0/J3
R81 330/J3
R88 330/J3
TP83
IC87
C3HBC0000095
006:11C
/SHCS2
006:11D;007:5E
/SHWE0
006:10A
/SH_WAIT
006:11D;007:5E;008:5E
/SHRD
006:12G;007:5B;008:6B
SDB[0-7]
IC85
TLVX4245FSEL
D+5V
C87 0.1
/RD2
001:12G;004:2B
/RST3.3
006:1D;008:6D
C97 0.01/UBV
C83 0.1
DB[0-15]
C80 0.1
IC82
TC7SH08FUTL
/CS1_3B5
002:7E;003:4F
/CS2_0B5
002:11E
/CS1_3B
003:4G
TP84
TP85
001:1E
/INT_USB
C82 0.1
C85 0.1
IC84
TLVX4245FSEL
C81 6V100/EHB
D+3.3V
R90 10K/J3
R97 330/J3
C89 0.1
IC88
C1DB00000761
C95 0.1
R94 27/J3
R96 27/J3
R95 1500/J3
P366
K1KA05A00180
DGND
VBUS
D-
D+
DGND
TP88
TP89
TP90
TP91
TP92
C94 6V100/EHB
A[17-19]
001:12B;002:2A;004:2A;008:1B
IC80
TLCX138FTEL
/CS1
001:12F;002:9E
R80 10K/J3
003:5D
/CS1_3B
/GMC_CS
028:2I
TP80
TP81
/CS1_3B5
002:7E;003:2D
R84 EXBV8V103JV
R85 EXBV8V103JV
R86 EXBV8V103JV
R87 EXBV8V103JV
TP82
TP87
L80 VLF1315A102T
R93 1500/J3
C91 0.1
R92 1M/J3
X80 H0J600400012
TP86
DB5_3[0-15]
C93 27P/UV
C96 22P/UV
IC81
TLCX138FTEL
/CS2_0B
003:6A
/CS2
001:12F;002:9E
C84 0.1
C86 0.1
C88 0.1
C90 0.1
TLCX138FTEL
TLCX138FTEL
TLCX541FTEL
TLCX541FTEL
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J

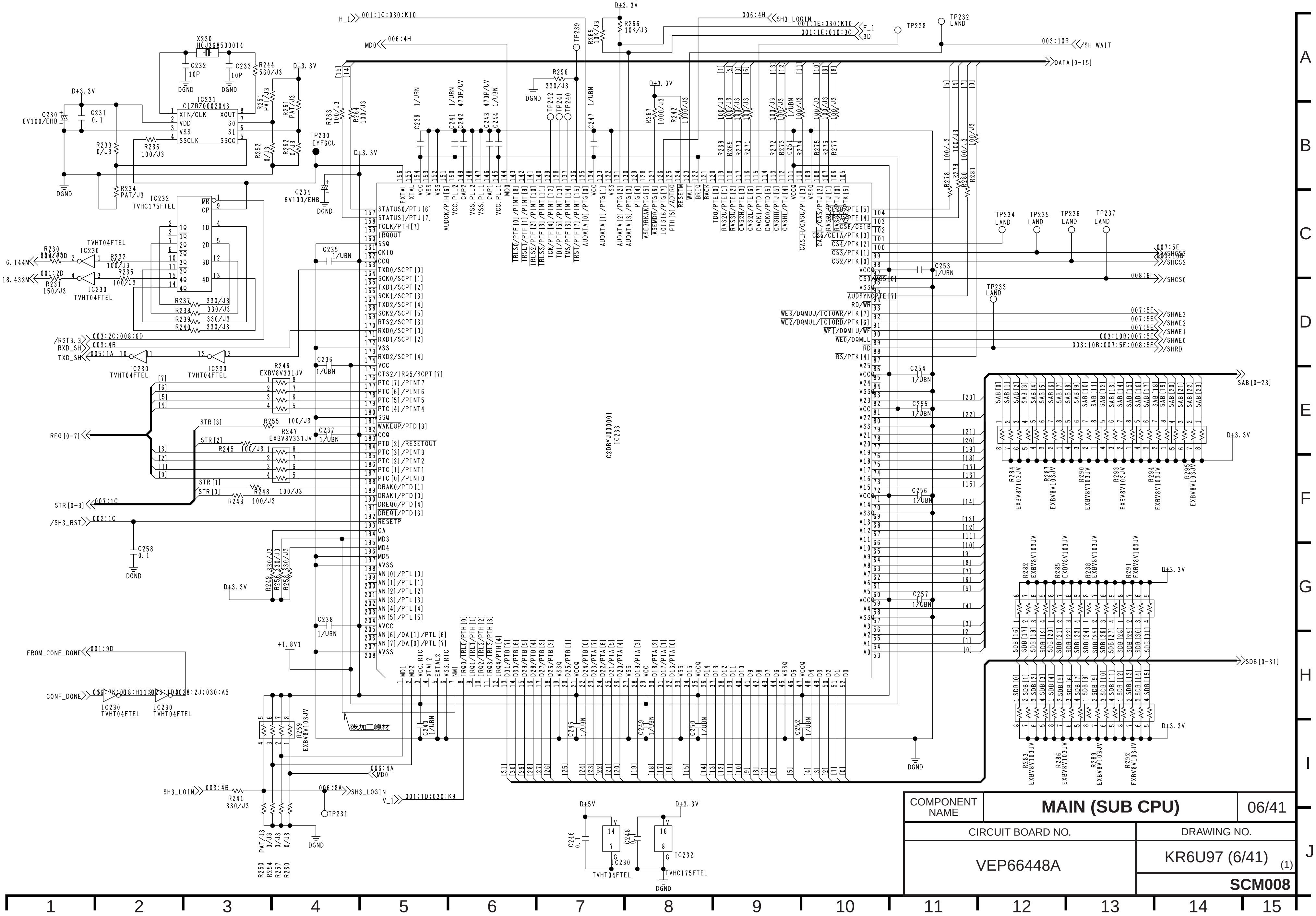
COMPONENT NAME	MAIN (USB 2PRAM IF)	03/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (3/41) (1)	
	SCM005	


A[0-19]
BCLK
/RST
/CS1_2A
/RD2
/WRL
/WRH
001:12F;002:11F
001:2H;002:1E;003:2B;005:6B;008:1D;011:9E;016:3J;030:L2;038:A8;038:L5;039:D6
002:7E
001:12G;003:2C
001:12F;002:1D;003:2B;011:1D
001:12F;002:1D
DB[0-15]
WAITLCD
002:11F
D+5V
D+3.3V
R110
10K/J3
C113
1/UBN
C114
1/UBN
C115
1/UBN
C116
1/UBN
C117
1/UBN
C118
1/UBN
C119
1/UBN
IC111
C0ZBZ0000558
COREVDD
WAIT#
DB15
DB14
DB13
DB12
DB11
DB10
DB9
IOVDD
DB8
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
VSS
RD/WR#
WE1#
WE0#
RD#
BS#
CS#
RESET#
BCLK
AB0
AB1
AB2
AB3
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
CLKI
CNF0
CNF1
CNF2
CNF3
AB16
TESTN
LCDPWR
DRDY
GPIO0
FPDAT11
FPDAT10
FPDAT9
FPDAT8
FPSHIFT
FPDAT7
FPDAT6
FPDAT5
FPDAT4
FPDAT3
FPDAT2
FPDAT1
FPDAT0
FPLINE
FPFRAME
006:1C
6.144M
005:9C
S
CP1
CP2
D0
D1
D2
D3
24VSTB
24VCLK
24VDIN
001:1C
IC110
C0DBCMD00002
VSS
ON/OFF
CONT
VIN
VDIN
VCLK
VSTRB
VOUT
DGND
TH110
K0ZZ00000231
C110
0.1
C111
6V100/EHB
L110
47U
D110
MA720-TX
C112
35V47
D+24V
TG110
EYF6CU

COMPONENT NAME	**MAIN (LCD IF)**	04/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (4/41) (1)	
	SCM006	


IC130 TVHC125FTEL
TXD_SH
SH3SEL
TXD1
M16CSEL
TP131 LAND
TP130 LAND
RXD1
IC136 C1ZBZ0000622
C134 1/UBN
C135 1/UBN
C133 1/UBN
C144 1/UBN
C145 1/UBN
C151 6V100/EHB
C150 1/UBN
L131 VLF1315A102T
L132 VLF1315A102T
TX
RX
D+5V
DGND
TXD0
IC131 SN75C1168NSL
RXD0
/RTS0
R130 47K/J3
R132 4700/J3
R133 4700/J3
R134 100/J6
R135 680/J3
R131 47K/J3
C136 1/UBN
L130 J0JAD0000004
/RXD
RXD
/TXD
TXD
/GMC_5V
/RD
IC133 TLVX4245FSEL
IC134 TLVX4245FSEL
D+3.3V
C131 0.1
C132 0.1
C140 0.1
C141 0.1
C147 6V100/EHB
R136 EXBV8V103JV
R137 EXBV8V103JV
R138 EXBV8V103JV
R139 EXBV8V103JV
GMC_D[0-15]
DB[0-15]
TALY_M[0-7]
L139 1000U
L140 1000U
IC132 UPA2003GR
TALY[0-7]
C137 C138 C139 C142 C143 C146 C148 100P/UV
IC135 UPA2003GR
C149 100P/UV
C130 0.1
/RST
SCAN[0-7]
CNT_SEL[0-2]
R142 EXBV8V331JV
R143 EXBV8V331JV
R144 EXBV8V331JV
R145 EXBV8V331JV
/STLEDREGOE
2PCNT_6B
2PCNT_6A
INVON/OFF
2PCLK
D+12V
L133 VLP0399-T
L134 VLF1315A102T
FAN_STOP2
C181 0.01/UBV
C217 1/UBN
P130 VJS3424A022
DGND /RST SCAN[0] SCAN[1] SCAN[2] SCAN[3] SCAN[4] SCAN[5] SCAN[6] SCAN[7] CNT_SEL[0] CNT_SEL[1] CNT_SEL[2] /STLEDREGOE 2PCNT_6B 2PCNT_6A INV_ON/OFF 2PCLK DGND DGND FAN FANSTOP
PANEL_DB[0-12]
R151 EXBV8V331JV
R152 EXBV8V331JV
R153 EXBV8V331JV
R154 330/J3
L137 1000U
L138 1000U
S CP1 CP2 DISPOFF D0 D1 D2 D3
P131 VJS3424A022
PANEL_DB[0] … PANEL_DB[12] S CP1 CP2 DISPOFF D0 D1 D2 D3 DGND
TP132 LAND
EXTADIN
IC140 TC4052BFEL
R148 10K/J3
R150 10K/J3
R157 330/J3
QR131 UN2213-TX
QR130 UN2213-TX
ADSELB
ADSELA
TP138 LAND
MASTER_V AUX2_V AUX1_V S4_V S3_V S2_V S1_V
CONT_V
P132 VJS3424A022
DGND ASPECT_V PHONE_V X_V Y_V MASTER_V AUX_2 AUX_1 S4_V S3_V S2_V S1_V TAKE_HOT TAKE_V TAKE_COLD CONT_V AA+5V D+24V DGND DGND
L135 J0JJC0000006
L136 J0JBC0000015
D+6V
IC139 XC62FP5002PR
C154 1/UBN
A+5V2
TP133 LAND
C157 16V47/EHB
R146 1000/J3
TAKE_V
D130 MA3J70000L
D131 MA3J70000L
C175 16V22/EHB
TP134 EYF6CU
C176 16V22/EHB
C180 6V100/EHB
C177 0.1
C213 0.1
D+24V
P133 VJP1230T
D+5V DGND
C178 0.1
TG137 EYF6CU
TP135 EYF6CU
TP136 EYF6CU
A+12V
IC138 AN78L07M-E1
C153 1/UBN
C156 16V47/EHB
R141 1000/J3
R147 1000/RE7
VR130 500/VR5
UPPER
R155 3000/RE7
R156 56/J3
A-12V
IC137 AN79L07M-E1
C152 1/UBN
C155 16V47/EHB
R140 1000/J3
R149 8200/RE7
VR131 500/VR5
LOWER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

COMPONENT NAME	MAIN (PANNEL IF)	05/41
CIRCUIT BOARD NO.		DRAWING NO.
VEP66448A		KR6U97 (5/41) (1)
		SCM007



IC233
C2DBYJ000001
IC231
C1ZBZ0002046
IC232
TVHC175FTEL
IC230
TVHT04FTEL
X230
H0J368500014
H_1
001:1C:030:K10
MD0
006:4H
SH3_LOGIN
F_1
001:1E:030:K10
001:1E:010:3C
3D
SH_WAIT
003:10B
DATA [0-15]
D+3.3V
D+5V
DGND
+1.8V
TP230
EYF6CU
TP231
TP232
LAND
TP233
TP234
TP235
TP236
TP237
TP238
TP239
TP240
TP241
TP242
6.144M
18.432M
001:2D
/RST3.3
RXD_SH
TXD_SH
003:2C:008:6D
003:4B
005:1A
REG [0-7]
STR [0-3]
007:1C
/SH3_RST
002:1C
FROM_CONF_DONE
001:9D
CONF_DONE
SH3_LOIN
003:4B
006:8A
/SH3_LOGIN
V_1
001:1D:030:K9
006:4A
/MD0
後加工線材
007:5E
/SHCS3
/SHCS2
008:6F
/SHCS0
/SHWE3
/SHWE2
/SHWE1
/SHWE0
003:10B:007:5E
003:10B:007:5E:008:5E
/SHRD
SAB [0-23]
SDB [0-31]
EXBV8V331JV
EXBV8V103JV
R246
R247
R259
R282
R283
R284
R285
R286
R287
R288
R289
R290
R291
R292
R293
R294
R295

COMPONENT NAME

MAIN (SUB CPU)

06/41

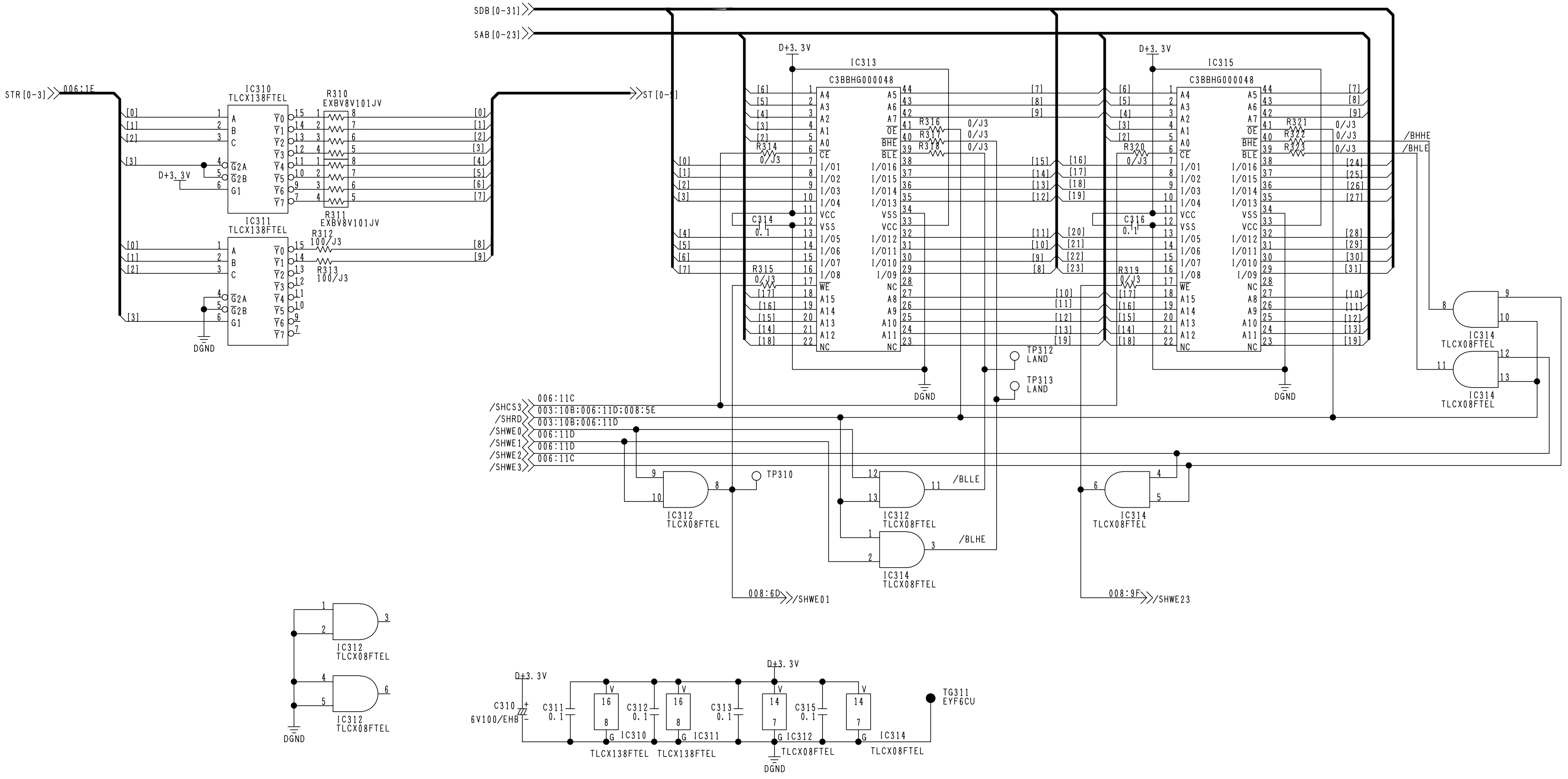
CIRCUIT BOARD NO.

VEP66448A

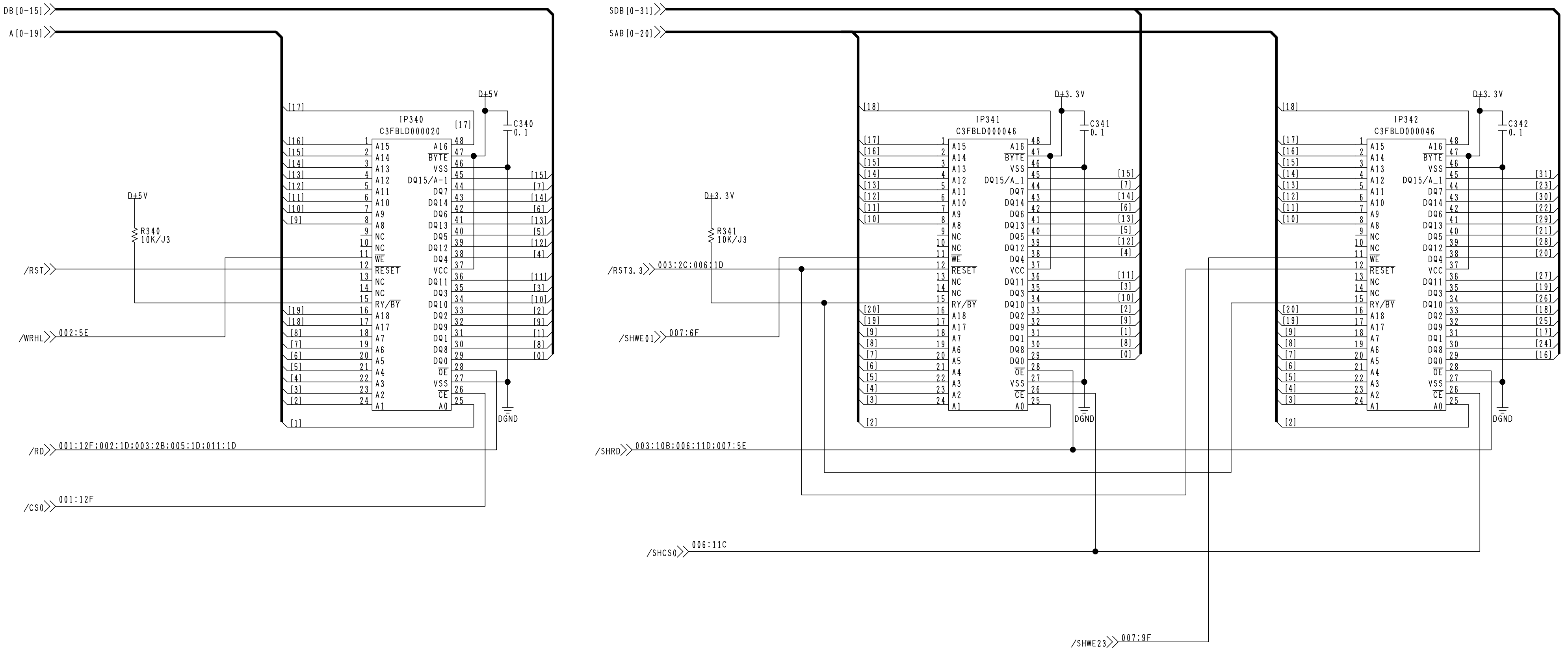
DRAWING NO.

KR6U97 (6/41) (1)

SCM008


STR[0-3]
006:1E
ST[0-9]
SDB[0-31]
SAB[0-23]
IC310
TLCX138FTEL
R310
EXBV8V101JV
R311
EXBV8V101JV
IC311
TLCX138FTEL
R312
100/J3
R313
100/J3
D+3.3V
DGND
IC313
C3BBHG000048
IC315
C3BBHG000048
R314
0/J3
R315
0/J3
R316
R317
R318
0/J3
R319
0/J3
R320
0/J3
R321
R322
R323
C314
0.1
C316
0.1
/BHHE
/BHLE
TP312
LAND
TP313
LAND
TP310
/SHCS3
/SHRD
/SHWE0
/SHWE1
/SHWE2
/SHWE3
006:11C
003:10B;006:11D;008:5E
003:10B;006:11D
006:11D
006:11D
006:11C
IC312
TLCX08FTEL
IC314
TLCX08FTEL
/BLLE
/BLHE
008:6D
/SHWE01
008:9F
/SHWE23
C310
6V100/EHB
C311
0.1
C312
0.1
C313
0.1
C315
0.1
IC310
TLCX138FTEL
IC311
TLCX138FTEL
IC312
TLCX08FTEL
IC314
TLCX08FTEL
TG311
EYF6CU

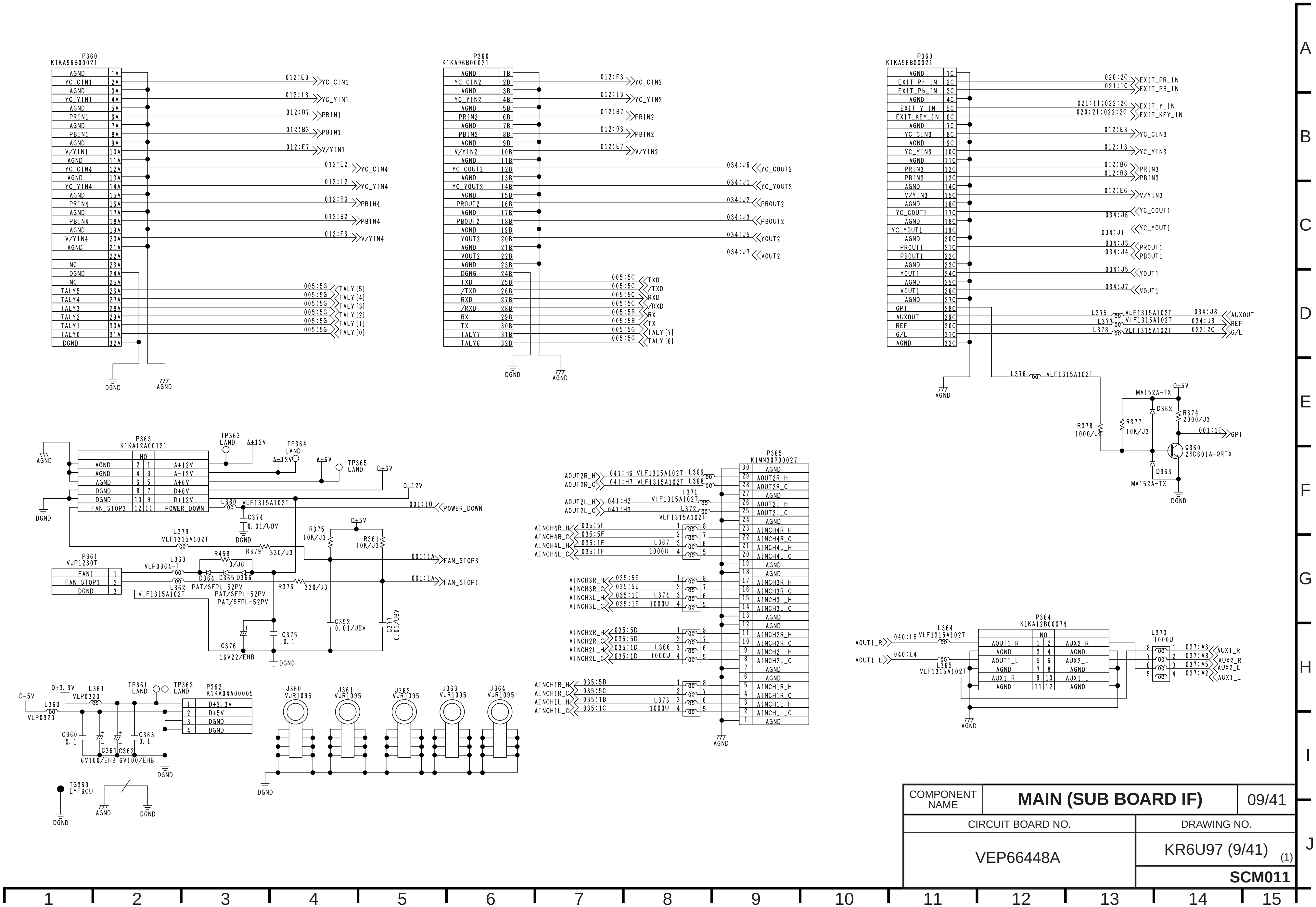
COMPONENT NAME	MAIN (SUB CPU MEMORY IF)	07/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (7/41) (1)	
	SCM009	


DB[0-15]
A[0-19]
SDB[0-31]
SAB[0-20]
IP340
C3FBLD000020
IP341
C3FBLD000046
IP342
C3FBLD000046
D+5V
D+3.3V
C340
0.1
C341
0.1
C342
0.1
R340
10K/J3
R341
10K/J3
DGND
A15
A14
A13
A12
A11
A10
A9
A8
NC
WE
RESET
RY/BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE
CE
A0
/RST
/WRHL 002:5E
/RD 001:12F;002:1D;003:2B;005:1D;011:1D
/CS0 001:12F
/RST3.3 003:2C;006:11D
/SHWE01 007:6F
/SHRD 003:10B;006:11D;007:5E
/SHCS0 006:11C
/SHWE23 007:9F

COMPONENT NAME
MAIN (FLUSH MEMORY)
08/41

CIRCUIT BOARD NO.
VEP66448A

DRAWING NO.
KR6U97 (8/41) (1)
SCM010


P360
K1KA96B00021
AGND
YC_CIN1
YC_YIN1
PRIN1
PBIN1
V/YIN1
YC_CIN4
YC_YIN4
PRIN4
PBIN4
V/YIN4
NC
DGND
TALY5
TALY4
TALY3
TALY2
TALY1
TALY0
012:E3
012:I3
012:B7
012:B3
012:E7
012:E2
012:I2
012:B6
012:B2
012:E6
005:5G
TALY[5]
TALY[4]
TALY[3]
TALY[2]
TALY[1]
TALY[0]
YC_CIN2
YC_YIN2
PRIN2
PBIN2
V/YIN2
YC_COUT2
YC_YOUT2
PROUT2
PBOUT2
YOUT2
VOUT2
DGNG
TXD
/TXD
RXD
/RXD
RX
TX
TALY7
TALY6
034:J6
034:J1
034:J2
034:J3
034:J5
034:J7
005:5C
005:5B
TALY[7]
TALY[6]
EXIT_Pr_IN
EXIT_Pb_IN
EXIT_Y_IN
EXIT_KEY_IN
YC_CIN3
YC_YIN3
PRIN3
PBIN3
V/YIN3
YC_COUT1
YC_YOUT1
PROUT1
PBOUT1
YOUT1
VOUT1
GPI
AUXOUT
REF
G/L
020:2C
021:1C
021:1I;022:2C
020:2I;022:2C
EXIT_PR_IN
EXIT_PB_IN
L375
L377
L378
VLF1315A102T
034:J8
022:2C
L376
MA152A-TX
D+5V
D362
R374
2000/J3
R377
10K/J3
R378
1000/J3
001:1E
GPI
Q360
2SD601A-QRTX
D363
P363
K1KA12A00121
TP363
LAND
A+12V
TP364
A-12V
A+6V
TP365
D+6V
D+12V
A-12V
D+6V
FAN_STOP3
POWER_DOWN
L380
C374
0.01/UBV
001:1B
L379
R375
10K/J3
R361
10K/J3
R379
330/J3
R458
0/J6
001:1A
FAN_STOP3
FAN_STOP1
P361
VJP1230T
FAN1
FAN_STOP1
L363
VLP0364-T
D364
D365
D366
L362
PAT/SFPL-52PV
R376
330/J3
C392
0.01/UBV
C377
0.01/UBV
C375
0.1
C376
16V22/EHB
P365
K1MN30B00027
AOUT2R_H
AOUT2R_C
AOUT2L_H
AOUT2L_C
041:H6
041:H7
041:H2
041:H3
L369
L368
L371
L372
AINCH4R_H
AINCH4R_C
AINCH4L_H
AINCH4L_C
AINCH3R_H
AINCH3R_C
AINCH3L_H
AINCH3L_C
AINCH2R_H
AINCH2R_C
AINCH2L_H
AINCH2L_C
AINCH1R_H
AINCH1R_C
AINCH1L_H
AINCH1L_C
035:5F
035:1F
035:5E
035:1E
035:5D
035:1D
035:5B
035:5C
035:1B
035:1C
L367
L374
L366
L373
1000U
P364
K1KA12B00074
AOUT1_R
AOUT1_L
AUX2_R
AUX2_L
AUX1_R
AUX1_L
040:L5
040:L4
L364
L365
L370
037:A3
037:A8
037:A5
037:A2
D+3.3V
D+5V
L361
L360
VLP0320
TP361
TP362
P362
K1KA04A00005
C360
0.1
C361
C362
C363
6V100/EHB
J360
J361
J362
J363
J364
VJR1095
TG360
EYF6CU
DGND
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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8
9
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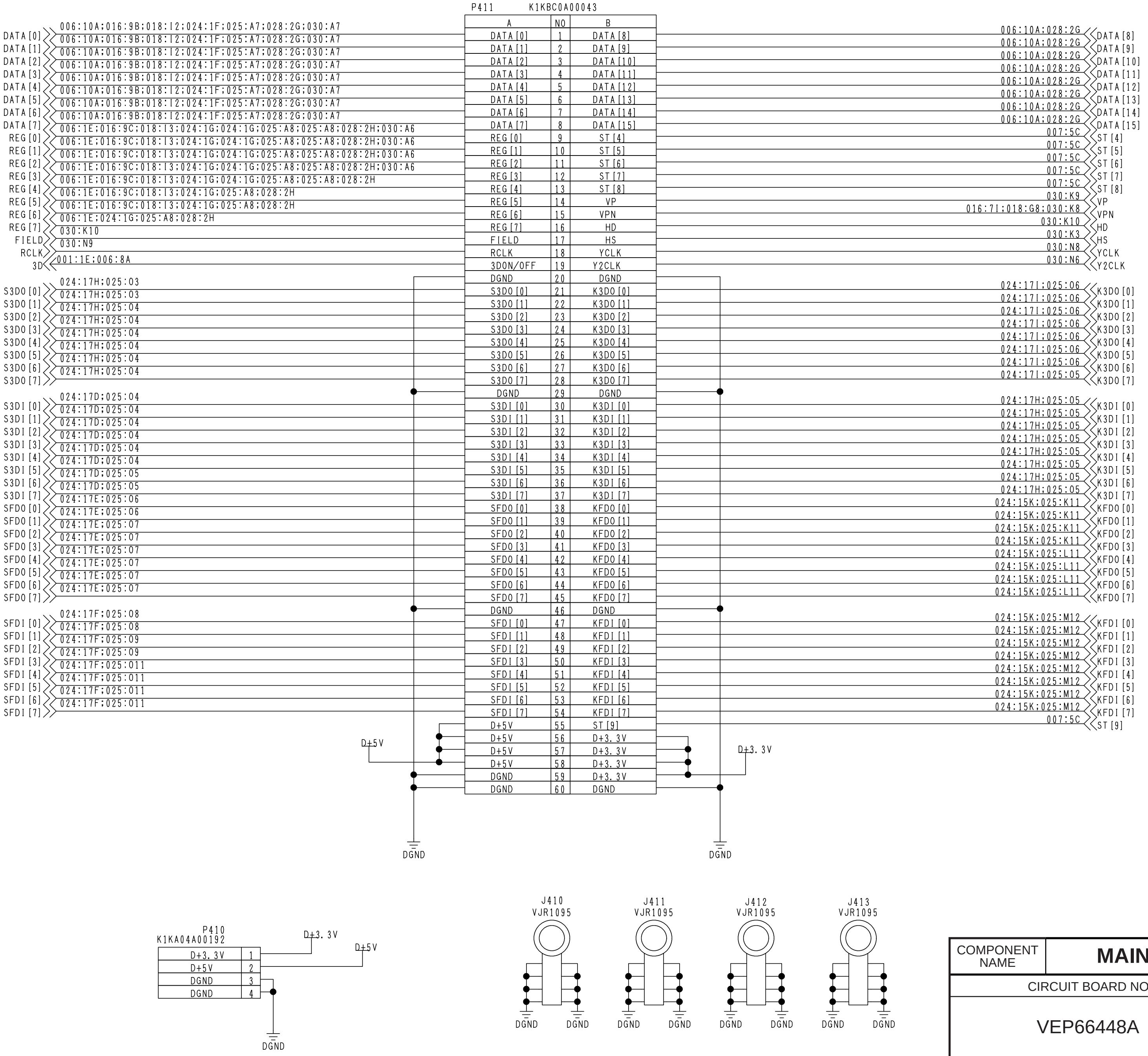
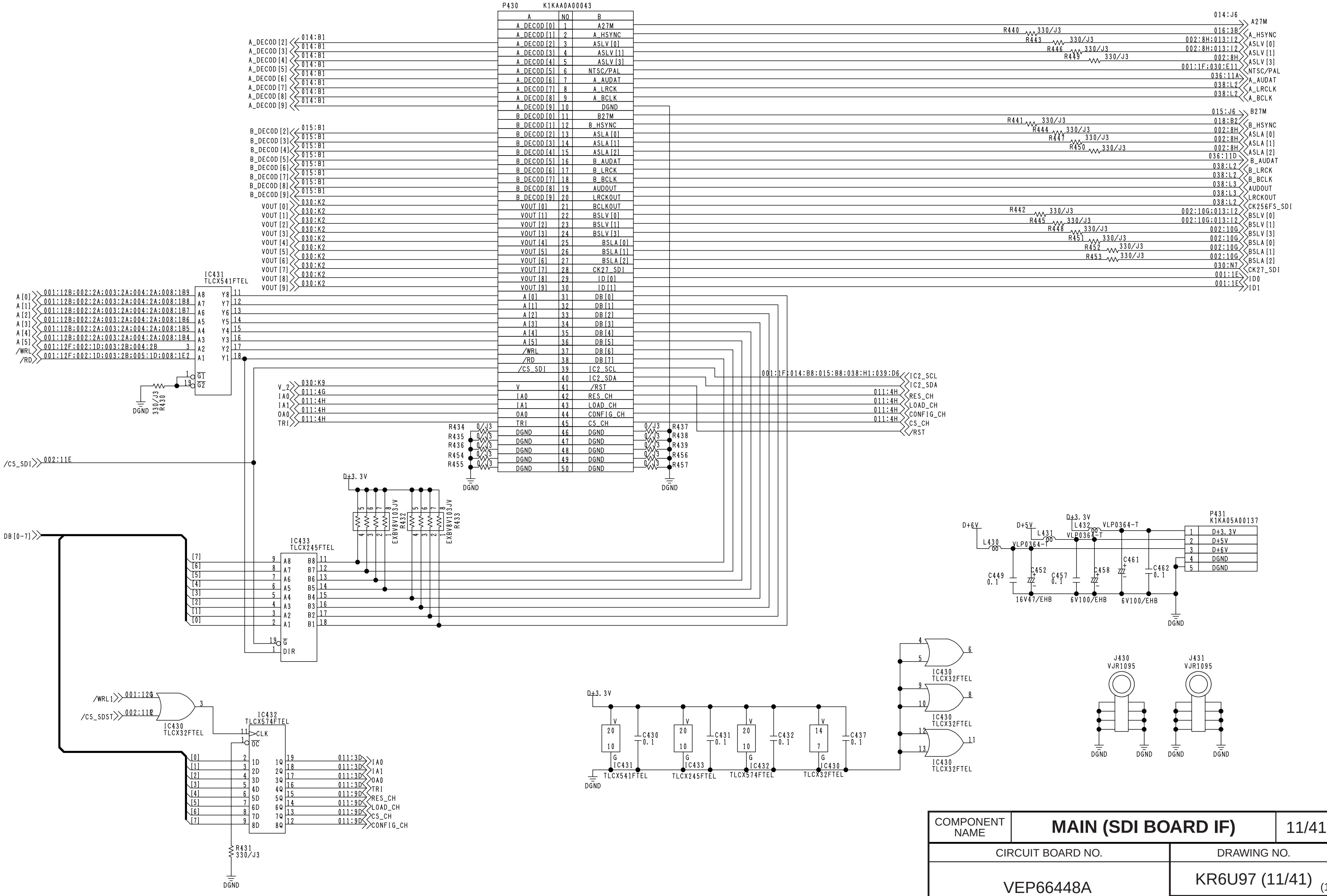
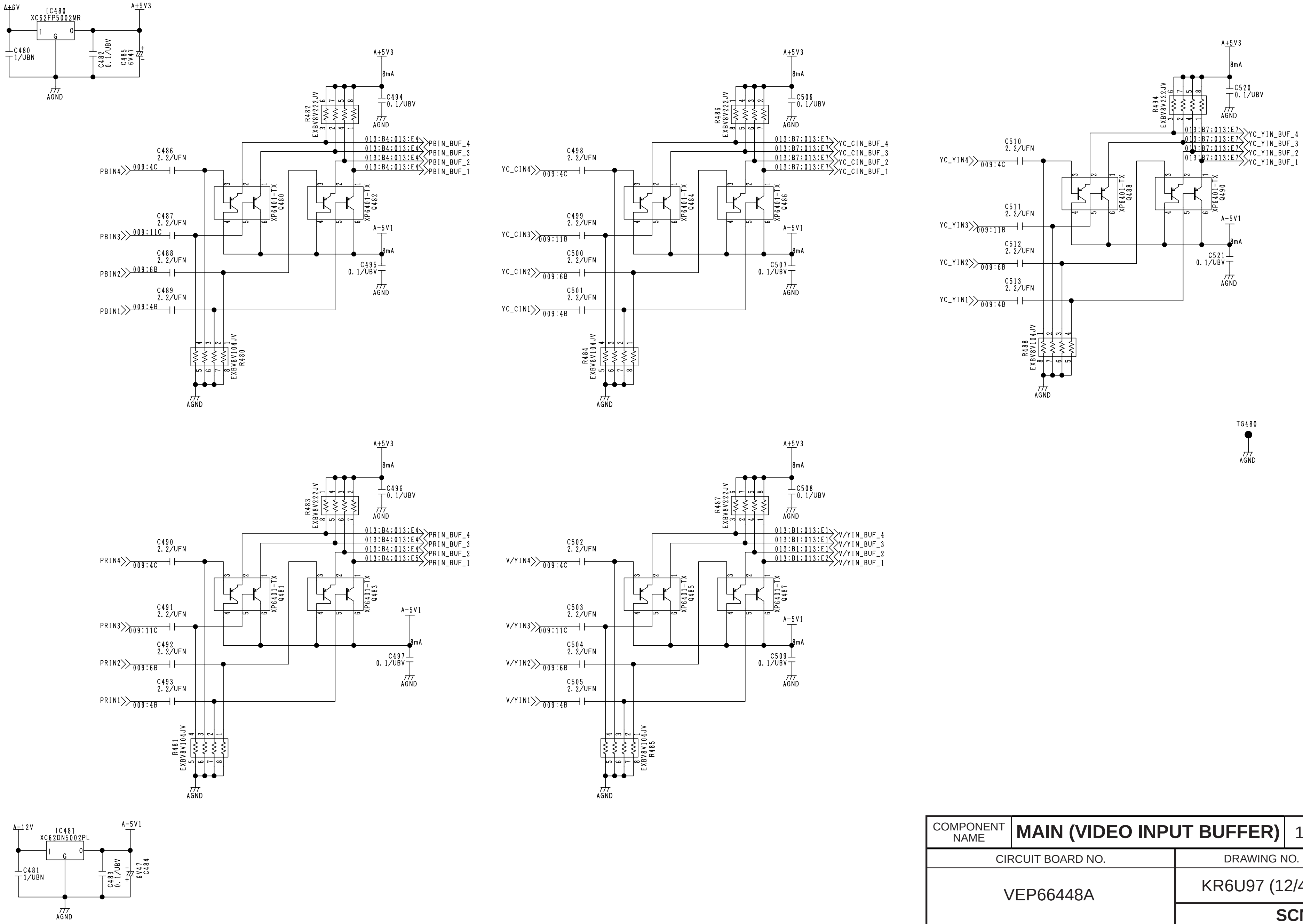
COMPONENT NAME	MAIN (SUB BOARD IF)	09/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (9/41) (1)	
	SCM011	


P411 K1KBC0A00043
A | NO | B
DATA[0] 1 DATA[8]
DATA[1] 2 DATA[9]
DATA[2] 3 DATA[10]
DATA[3] 4 DATA[11]
DATA[4] 5 DATA[12]
DATA[5] 6 DATA[13]
DATA[6] 7 DATA[14]
DATA[7] 8 DATA[15]
REG[0] 9 ST[4]
REG[1] 10 ST[5]
REG[2] 11 ST[6]
REG[3] 12 ST[7]
REG[4] 13 ST[8]
REG[5] 14 VP
REG[6] 15 VPN
REG[7] 16 HD
FIELD 17 HS
RCLK 18 YCLK
3DON/OFF 19 Y2CLK
DGND 20 DGND
S3DO[0] 21 K3DO[0]
S3DO[1] 22 K3DO[1]
S3DO[2] 23 K3DO[2]
S3DO[3] 24 K3DO[3]
S3DO[4] 25 K3DO[4]
S3DO[5] 26 K3DO[5]
S3DO[6] 27 K3DO[6]
S3DO[7] 28 K3DO[7]
DGND 29 DGND
S3DI[0] 30 K3DI[0]
S3DI[1] 31 K3DI[1]
S3DI[2] 32 K3DI[2]
S3DI[3] 33 K3DI[3]
S3DI[4] 34 K3DI[4]
S3DI[5] 35 K3DI[5]
S3DI[6] 36 K3DI[6]
S3DI[7] 37 K3DI[7]
SFDO[0] 38 KFDO[0]
SFDO[1] 39 KFDO[1]
SFDO[2] 40 KFDO[2]
SFDO[3] 41 KFDO[3]
SFDO[4] 42 KFDO[4]
SFDO[5] 43 KFDO[5]
SFDO[6] 44 KFDO[6]
SFDO[7] 45 KFDO[7]
DGND 46 DGND
SFDI[0] 47 KFDI[0]
SFDI[1] 48 KFDI[1]
SFDI[2] 49 KFDI[2]
SFDI[3] 50 KFDI[3]
SFDI[4] 51 KFDI[4]
SFDI[5] 52 KFDI[5]
SFDI[6] 53 KFDI[6]
SFDI[7] 54 KFDI[7]
D+5V 55 ST[9]
D+5V 56 D+3.3V
D+5V 57 D+3.3V
D+5V 58 D+3.3V
DGND 59 D+3.3V
DGND 60 DGND
D+5V
D+3.3V
DGND
P410 K1KA04A00192
D+3.3V 1
D+5V 2
DGND 3
DGND 4
J410 VJR1095
J411 VJR1095
J412 VJR1095
J413 VJR1095

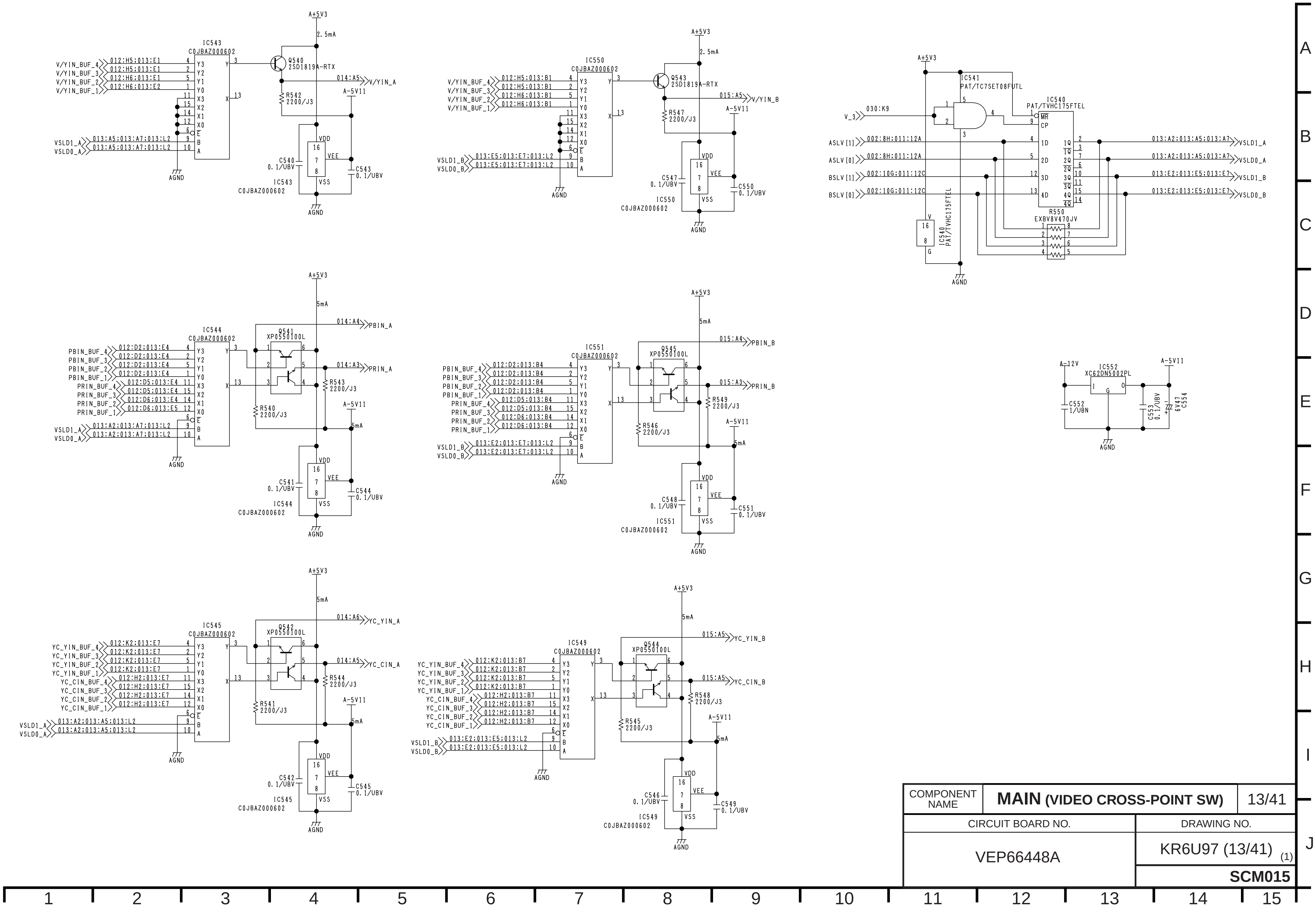
COMPONENT NAME	MAIN (3D BOARD IF)	10/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (10/41) (1)	
	SCM012	


P430 K1KAA0A00043
IC431 TLCX541FTEL
IC433 TLCX245FTEL
IC432 TLCX574FTEL
IC430 TLCX32FTEL
R432 EXBV8V103JV
R433 EXBV8V103JV
P431 K1KA05A00137
L430 L431 L432 VLP0364-T
J430 VJR1095
J431 VJR1095
A_DECOD[0-9]
B_DECOD[0-9]
VOUT[0-9]
A[0]-A[5]
/WRL
/RD
/CS_SDI
/CS_SDST
DB[0-7]
IC2_SCL
IC2_SDA
RES_CH
LOAD_CH
CONFIG_CH
CS_CH
/RST
IA0
IA1
OA0
TRI
V_2
A27M
A_HSYNC
ASLV[0]
ASLV[1]
ASLV[3]
NTSC/PAL
A_AUDAT
A_LRCLK
A_BCLK
B27M
B_HSYNC
ASLA[0]
ASLA[1]
ASLA[2]
B_AUDAT
B_LRCK
B_BCLK
AUDOUT
LRCKOUT
CK256FS_SDI
BSLV[0]
BSLV[1]
BSLV[3]
BSLA[0]
BSLA[1]
BSLA[2]
CK27_SDI
ID0
ID1
D+3.3V
D+5V
D+6V
DGND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

COMPONENT NAME	MAIN (SDI BOARD IF)	11/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (11/41) (1)	
	SCM013	


A+6V
IC480
XC62FP5002MR
A+5V3
C480
1/UBN
C482
0.1/UBV
C485
6V47
AGND
A+5V3
8mA
C494
0.1/UBV
R482
EXBV8V222JV
013:B4:013:E4
PBIN_BUF_4
PBIN_BUF_3
PBIN_BUF_2
PBIN_BUF_1
C486
2.2/UFN
PBIN4
009:4C
Q480
XP6401-TX
Q482
XP6401-TX
C487
2.2/UFN
PBIN3
009:11C
C488
2.2/UFN
PBIN2
009:6B
C489
2.2/UFN
PBIN1
009:4B
A-5V1
C495
0.1/UBV
R480
EXBV8V104JV
C498
2.2/UFN
YC_CIN4
C499
2.2/UFN
YC_CIN3
009:11B
C500
2.2/UFN
YC_CIN2
C501
2.2/UFN
YC_CIN1
R486
EXBV8V222JV
C506
0.1/UBV
013:B7:013:E7
YC_CIN_BUF_4
YC_CIN_BUF_3
YC_CIN_BUF_2
YC_CIN_BUF_1
Q484
XP6401-TX
Q486
XP6401-TX
C507
0.1/UBV
R484
EXBV8V104JV
C510
2.2/UFN
YC_YIN4
C511
2.2/UFN
YC_YIN3
C512
2.2/UFN
YC_YIN2
C513
2.2/UFN
YC_YIN1
R494
EXBV8V222JV
C520
0.1/UBV
YC_YIN_BUF_4
YC_YIN_BUF_3
YC_YIN_BUF_2
YC_YIN_BUF_1
Q488
XP6401-TX
Q490
XP6401-TX
C521
0.1/UBV
R488
EXBV8V104JV
TG480
R483
EXBV8V222JV
C496
0.1/UBV
013:B4:013:E5
PRIN_BUF_4
PRIN_BUF_3
PRIN_BUF_2
PRIN_BUF_1
C490
2.2/UFN
PRIN4
C491
2.2/UFN
PRIN3
C492
2.2/UFN
PRIN2
C493
2.2/UFN
PRIN1
Q481
XP6401-TX
Q483
XP6401-TX
C497
0.1/UBV
R481
EXBV8V104JV
R487
EXBV8V222JV
C508
0.1/UBV
013:B1:013:E1
013:B1:013:E2
V/YIN_BUF_4
V/YIN_BUF_3
V/YIN_BUF_2
V/YIN_BUF_1
C502
2.2/UFN
V/YIN4
C503
2.2/UFN
V/YIN3
C504
2.2/UFN
V/YIN2
C505
2.2/UFN
V/YIN1
Q485
XP6401-TX
Q487
XP6401-TX
C509
0.1/UBV
R485
EXBV8V104JV
A-12V
IC481
XC62DN5002PL
A-5V1
C481
1/UBN
C483
0.1/UBV
C484
6V47

COMPONENT NAME	**MAIN (VIDEO INPUT BUFFER)**	12/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (12/41) (1)	
	SCM014	


IC543
C0JBAZ000602
V/YIN_BUF_4
V/YIN_BUF_3
V/YIN_BUF_2
V/YIN_BUF_1
012:H5:013:E1
012:H6:013:E1
012:H6:013:E2
VSLD1_A
VSLD0_A
013:A5:013:A7:013:L2
Q540
2SD1819A-RTX
014:A5
V/YIN_A
R542
2200/J3
A+5V3
2.5mA
A-5V11
C540
0.1/UBV
C543
0.1/UBV
VDD
VEE
VSS
AGND
IC550
V/YIN_BUF_4
012:H5:013:B1
012:H6:013:B1
VSLD1_B
VSLD0_B
013:E5:013:E7:013:L2
Q543
2SD1819A-RTX
015:A5
V/YIN_B
R547
2200/J3
C547
0.1/UBV
C550
0.1/UBV
IC541
PAT/TC7SET08FUTL
IC540
PAT/TVHC175FTEL
V_3
030:K9
ASLV[1]
ASLV[0]
002:8H:011:12A
BSLV[1]
BSLV[0]
002:10G:011:12C
MR
CP
1D
2D
3D
4D
1Q
2Q
3Q
4Q
013:A2:013:A5:013:A7
VSLD1_A
VSLD0_A
013:E2:013:E5:013:E7
VSLD1_B
VSLD0_B
R550
EXBV8V470JV
IC544
PBIN_BUF_4
PBIN_BUF_3
PBIN_BUF_2
PBIN_BUF_1
PRIN_BUF_4
PRIN_BUF_3
PRIN_BUF_2
PRIN_BUF_1
012:D2:013:E4
012:D5:013:E4
012:D6:013:E4
012:D6:013:E5
013:A2:013:A7:013:L2
Q541
XP0550100L
014:A4
PBIN_A
014:A3
PRIN_A
R540
2200/J3
R543
2200/J3
5mA
C541
0.1/UBV
C544
0.1/UBV
IC551
012:D2:013:B4
012:D5:013:B4
012:D6:013:B4
013:E2:013:E7:013:L2
Q545
XP0550100L
015:A4
PBIN_B
015:A3
PRIN_B
R546
2200/J3
R549
2200/J3
C548
0.1/UBV
C551
0.1/UBV
IC552
XC62DN5002PL
A-12V
C552
1/UBN
C553
0.1/UBV
C554
6V47
IC545
YC_YIN_BUF_4
YC_YIN_BUF_3
YC_YIN_BUF_2
YC_YIN_BUF_1
YC_CIN_BUF_4
YC_CIN_BUF_3
YC_CIN_BUF_2
YC_CIN_BUF_1
012:K2:013:E7
012:H2:013:E7
013:A2:013:A5:013:L2
Q542
XP0550100L
014:A6
YC_YIN_A
014:A5
YC_CIN_A
R541
2200/J3
R544
2200/J3
C542
0.1/UBV
C545
0.1/UBV
IC549
012:K2:013:B7
012:H2:013:B7
013:E2:013:E5:013:L2
Q544
XP0550100L
015:A5
YC_YIN_B
015:A5
YC_CIN_B
R545
2200/J3
R548
2200/J3
C546
0.1/UBV
C549
0.1/UBV
A
B
C
D
E
F
G
H
I
J
1
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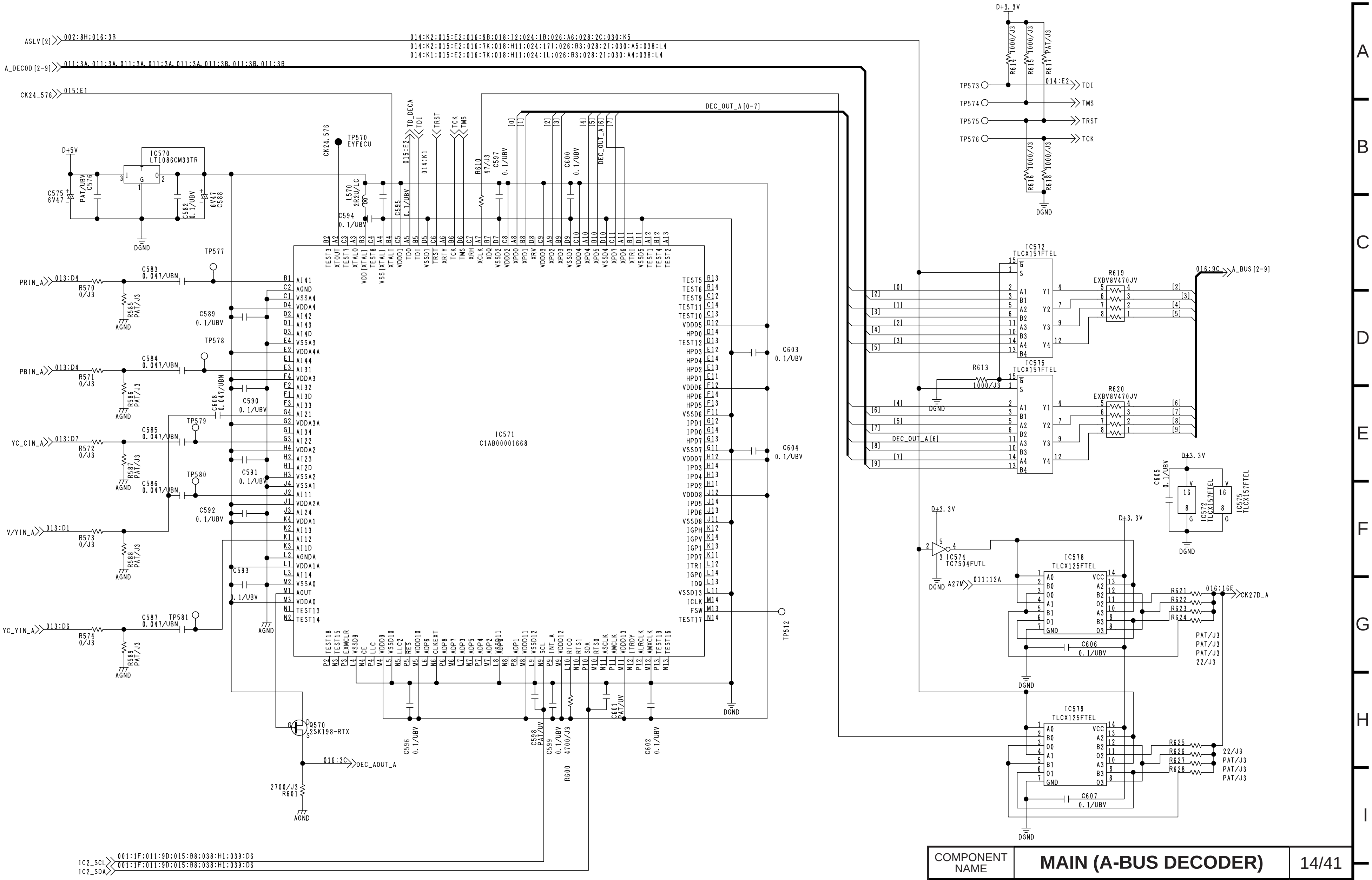
COMPONENT NAME	**MAIN (VIDEO CROSS-POINT SW)**	13/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (13/41) (1)	
	SCM015	


ASLV[2]
002:8H:016:3B
A_DECOD[2-9]
011:3A,011:3A,011:3A,011:3A,011:3A,011:3B,011:3B,011:3B
CK24_576
015:E1
014:K2:015:E2:016:9B:018:I2:024:1B:026:A6:028:2C:030:K5
014:K2:015:E2:016:7K:018:H11:024:17I:026:B3:028:2I:030:A5:038:L4
014:K1:015:E2:016:7K:018:H11:024:1L:026:B3:028:2I:030:A4:038:L4
DEC_OUT_A[0-7]
D+5V
IC570
LT1086CM33TR
C575
6V47
C576
PAT/UBV
C582
0.1/UBV
C588
6V47
DGND
CK24.576
TP570
EYF6CU
L570
2R2U/LC
C594
0.1/UBV
C595
0.1/UBV
015:E2
TD_DECA
TDI
014:K1
TRST
TCK
TMS
R610
47/J3
C597
0.1/UBV
C600
0.1/UBV
DEC_OUT_A[6]
PRIN_A
013:D4
R570
0/J3
R585
PAT/J3
C583
0.047/UBN
TP577
AGND
C589
0.1/UBV
TP578
PBIN_A
013:D4
R571
0/J3
R586
PAT/J3
C584
0.047/UBN
C608
0.047/UBN
C590
0.1/UBV
TP579
YC_CIN_A
013:D7
R572
0/J3
R587
PAT/J3
C585
0.047/UBN
TP580
C591
0.1/UBV
C586
0.047/UBN
C592
0.1/UBV
V/YIN_A
013:D1
R573
0/J3
R588
PAT/J3
C593
0.1/UBV
YC_YIN_A
013:D6
R574
0/J3
R589
PAT/J3
C587
0.047/UBN
TP581
IC571
C1AB00001668
C603
0.1/UBV
C604
0.1/UBV
TP512
Q570
2SK198-RTX
016:3C
DEC_AOUT_A
2700/J3
R601
C596
0.1/UBV
C598
PAT/UV
C599
0.1/UBV
4700/J3
R600
C601
PAT/UV
C602
0.1/UBV
IC2_SCL
IC2_SDA
001:1F:011:9D:015:B8:038:H1:039:D6
001:1F:011:9D:015:B8:038:H1:039:D6
D+3.3V
R614
1000/J3
R615
1000/J3
R617
PAT/J3
014:E2
TP573
TDI
TP574
TMS
TP575
TRST
TP576
TCK
R616
1000/J3
R618
1000/J3
DGND
IC572
TLCX157FTEL
R619
EXBV8V470JV
016:9C
A_BUS[2-9]
R613
1000/J3
IC575
TLCX157FTEL
R620
EXBV8V470JV
DEC_OUT_A[6]
C605
0.1/UBV
D+3.3V
IC572
TLCX157FTEL
IC575
TLCX157FTEL
IC574
TC7S04FUTL
A27M
011:12A
IC578
TLCX125FTEL
R621
R622
R623
R624
016:16E
CK27D_A
PAT/J3
PAT/J3
PAT/J3
22/J3
C606
0.1/UBV
IC579
TLCX125FTEL
R625
R626
R627
R628
22/J3
PAT/J3
PAT/J3
PAT/J3
C607
0.1/UBV
A
B
C
D
E
F
G
H
I
J
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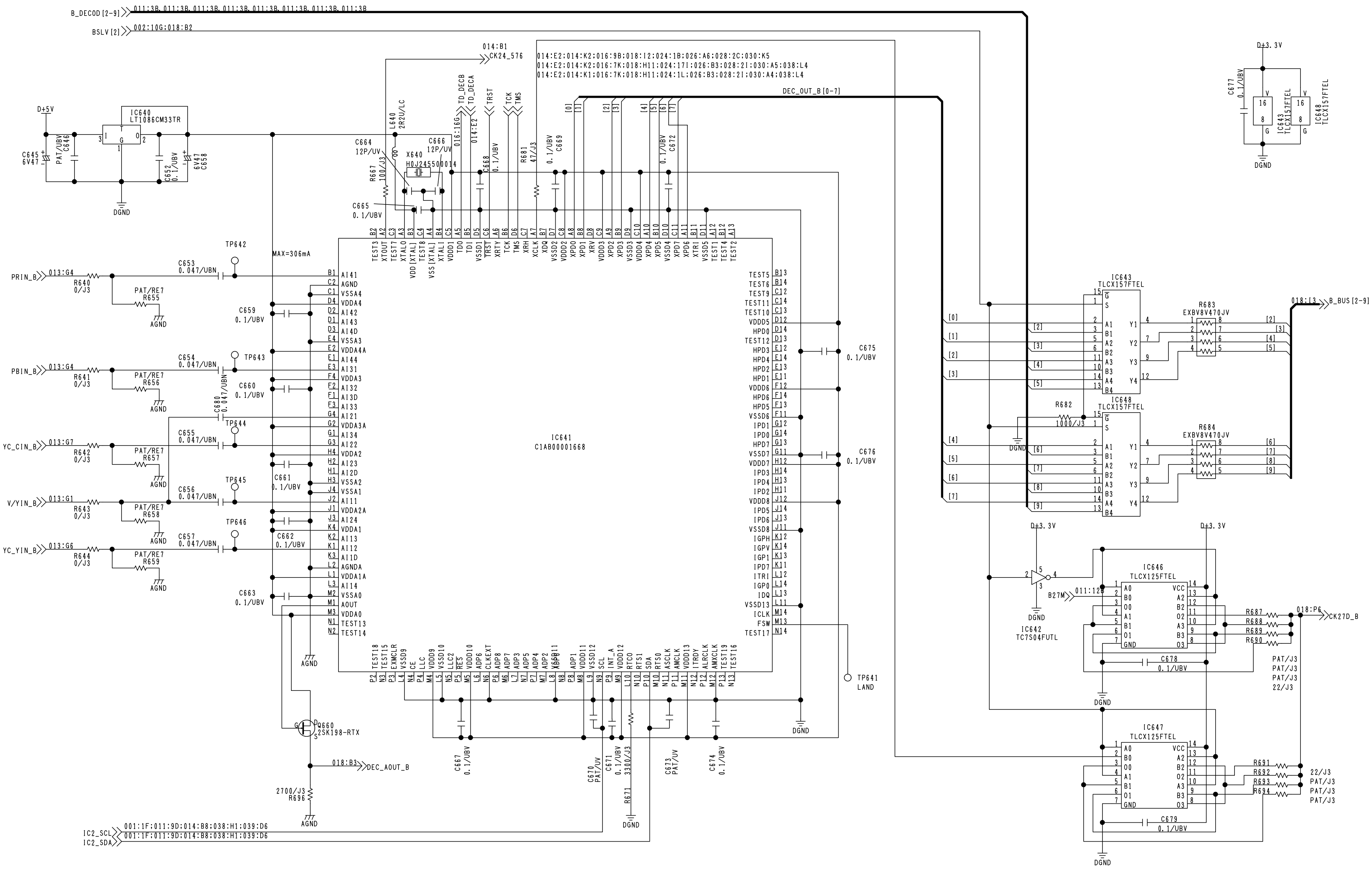
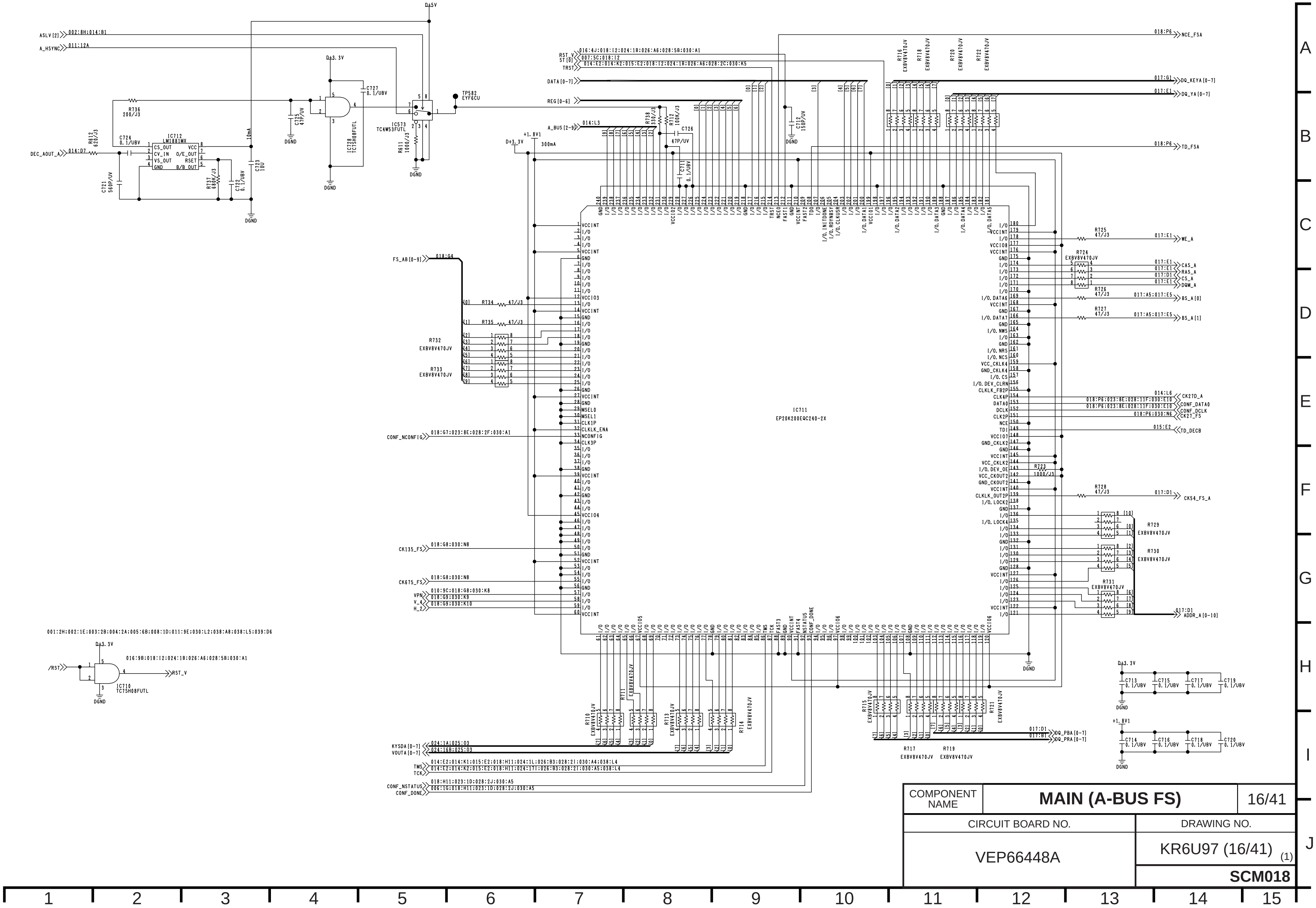
COMPONENT NAME	**MAIN (A-BUS DECODER)**	14/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (14/41) (1)	
	SCM016	


B_DECOD [2-9]
BSLV [2]
IC640 LT1086CM33TR
D+5V
DGND
AGND
X640 H0J245500014
014:B1 CK24_576
TD_DECB
TD_DECA
TRST
TCK
TMS
DEC_OUT_B [0-7]
MAX=306mA
TP642
TP643
TP644
TP645
TP646
TP641 LAND
PRIN_B
PBIN_B
YC_CIN_B
V/YIN_B
YC_YIN_B
IC641 C1AB00001668
Q660 2SK198-RTX
DEC_AOUT_B
IC2_SCL
IC2_SDA
001:1F;011:9D;014:B8;038:H1;039:D6
IC643 TLCX157FTEL
IC648 TLCX157FTEL
R683 EXBV8V470JV
R684 EXBV8V470JV
R682 1000/J3
018:13 B_BUS [2-9]
D+3.3V
IC642 TC7S04FUTL
B27M
IC646 TLCX125FTEL
IC647 TLCX125FTEL
018:P6 CK27D_B
C678 0.1/UBV
C679 0.1/UBV
C677 0.1/UBV

COMPONENT NAME	MAIN (B-BUS DECODER)	15/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (15/41) (1)	
	SCM017	


IC711
EP20K200EQC240-2X
IC712
LM1881MX
IC728
TC7SH08FUTL
IC573
TC4W53FUTL
IC710
TC7SH08FUTL
TP582
EYF6CU
D+5V
D+3.3V
+1.8V1
DGND
ASLV[2]
A_HSYNC
DEC_AOUT_A
/RST
RST_V
DATA[0-7]
REG[0-6]
A_BUS[2-9]
FS_AB[0-9]
CONF_NCONFIG
CK135_FS
CK675_FS
VPN
V_4
H_2
KYSDA[0-7]
VOUTA[0-7]
TMS
TCK
CONF_NSTATUS
CONF_DONE
NCE_FSA
DQ_KEYA[0-7]
DQ_YA[0-7]
TD_FSA
WE_A
CAS_A
RAS_A
CS_A
DQM_A
BS_A[0]
BS_A[1]
CK27D_A
CONF_DATA0
CONF_DCLK
CK27_FS
TD_DECB
CK54_FS_A
ADDR_A[0-10]
DQ_PBA[0-7]
DQ_PRA[0-7]
A
B
C
D
E
F
G
H
I
J
1
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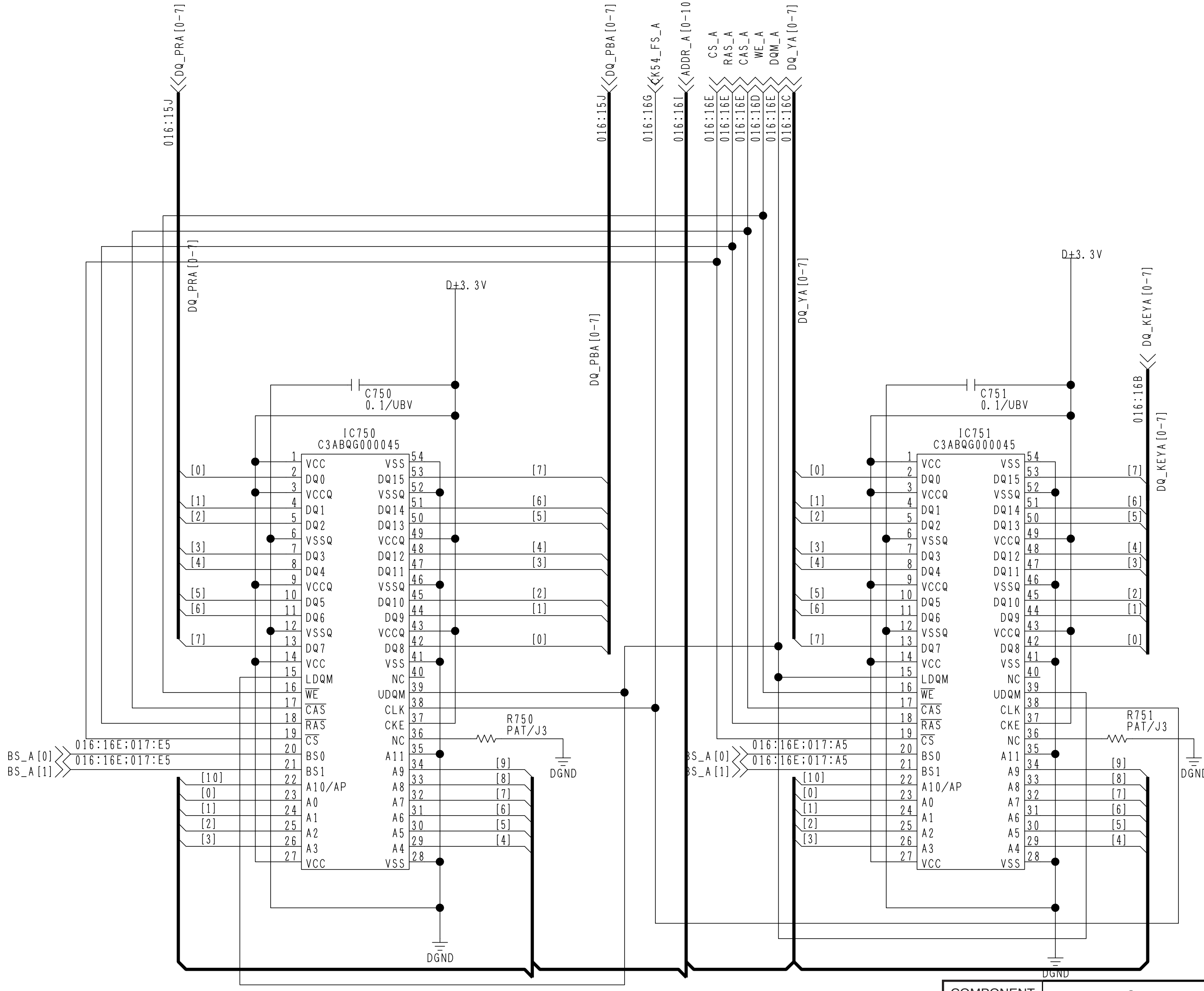
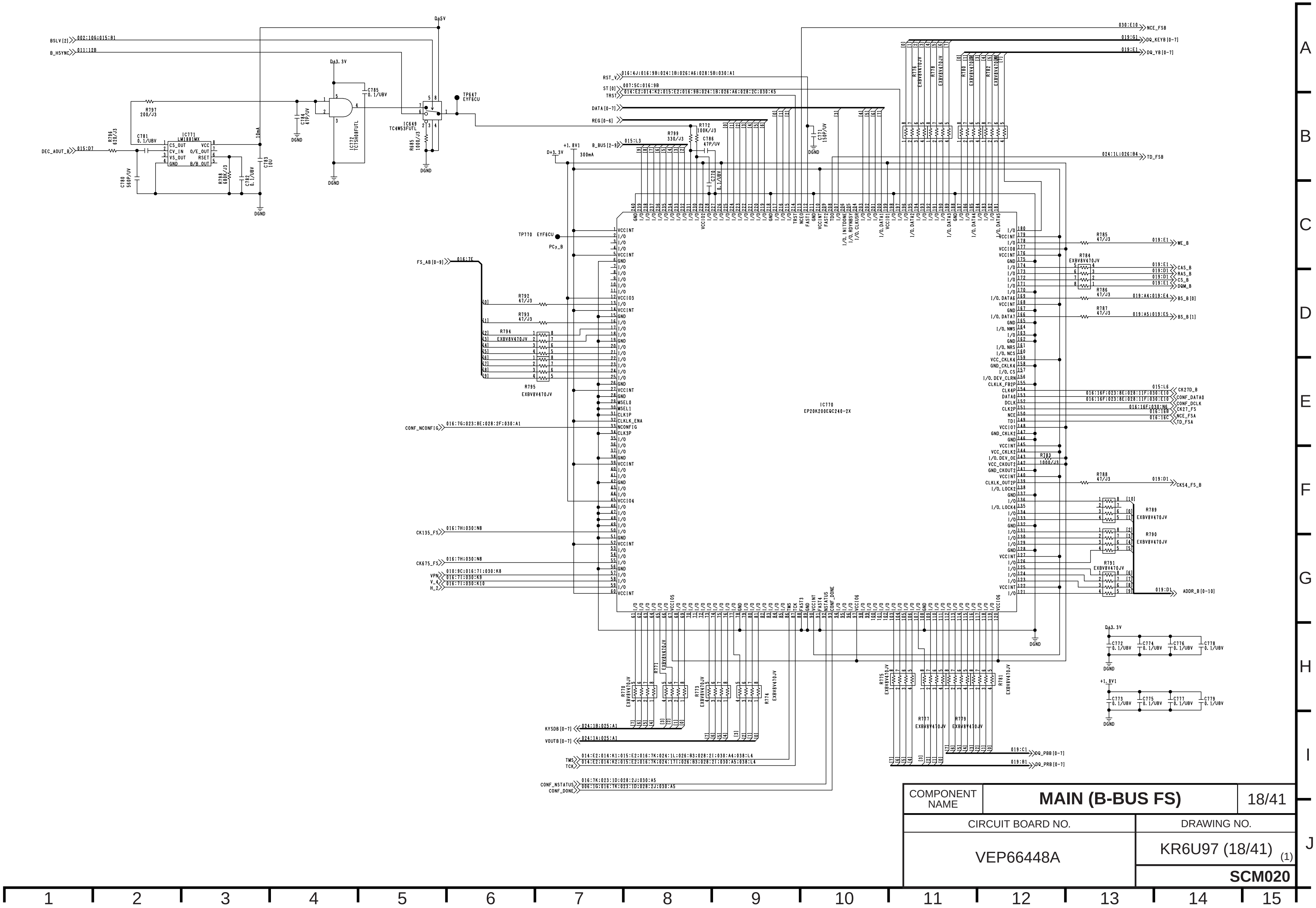
COMPONENT NAME	MAIN (A-BUS FS)	16/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (16/41) (1)	
	SCM018	



DQ_PRA[0-7]
016:15J
DQ_PBA[0-7]
016:15J
K54_FS_A
016:16G
ADDR_A[0-10]
016:16I
CS_A
RAS_A
CAS_A
WE_A
DQM_A
DQ_YA[0-7]
016:16E
016:16E
016:16E
016:16D
016:16E
016:16C
D+3.3V
C750
0.1/UBV
IC750
C3ABQG000045
1 VCC
2 DQ0
3 VCCQ
4 DQ1
5 DQ2
6 VSSQ
7 DQ3
8 DQ4
9 VCCQ
10 DQ5
11 DQ6
12 VSSQ
13 DQ7
14 VCC
15 LDQM
16 WE
17 CAS
18 RAS
19 CS
20 BS0
21 BS1
22 A10/AP
23 A0
24 A1
25 A2
26 A3
27 VCC
54 VSS
53 DQ15
52 VSSQ
51 DQ14
50 DQ13
49 VCCQ
48 DQ12
47 DQ11
46 VSSQ
45 DQ10
44 DQ9
43 VCCQ
42 DQ8
41 VSS
40 NC
39 UDQM
38 CLK
37 CKE
36 NC
35 A11
34 A9
33 A8
32 A7
31 A6
30 A5
29 A4
28 VSS
R750
PAT/J3
DGND
BS_A[0]
BS_A[1]
016:16E;017:E5
016:16E;017:E5
C751
0.1/UBV
IC751
C3ABQG000045
R751
PAT/J3
016:16E;017:A5
016:16E;017:A5
DQ_KEYA[0-7]
016:16B

COMPONENT NAME	**MAIN (A-BUS FS / SDRAM)**	17/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (17/41) (1)	
	SCM019	


D+5V
BSLV[2]
002:10G:015:B1
B_HSYNC
011:12B
D+3.3V
C785
0.1/UBV
TP647
EYF6CU
IC649
TC4W53FUTL
IC772
TC7SH08FUTL
R797
200/J3
R796
620/J3
C781
0.1/UBV
IC771
LM1881MX
DEC_AOUT_B
015:D7
C780
560P/UV
R798
680K/J3
C782
0.1/UBV
C783
10U
R685
1000/J3
DGND
NCE_FSB
DQ_KEYB[0-7]
DQ_YB[0-7]
RST_V
ST[0]
TRST
DATA[0-7]
REG[0-6]
B_BUS[2-9]
015:L3
R799
330/J3
R772
100K/J3
C786
47P/UV
C770
0.1/UBV
C777
150P/UV
R776
R778
R780
R782
EXBV8V470JV
+1.8V1
300mA
TD_FSB
TP770
EYF6CU
PCy_B
FS_AB[0-9]
016:7E
R792
47/J3
R793
47/J3
R794
R795
CONF_NCONFIG
016:7G:023:8E:028:2F:030:A1
IC770
EP20K200EQC240-2X
CK135_FS
016:7H:030:N8
CK675_FS
VPN
V_4
H_2
R785
47/J3
WE_B
R784
CAS_B
RAS_B
CS_B
DQM_B
R786
47/J3
BS_B[0]
R787
47/J3
BS_B[1]
CK27D_B
CONF_DATA0
CONF_DCLK
CK27_FS
NCE_FSA
TD_FSA
R783
1000/J3
R788
47/J3
CK54_FS_B
R789
R790
R791
ADDR_B[0-10]
C772
C774
C776
C778
C773
C775
C777
C779
0.1/UBV
R770
R771
R773
R774
R775
R777
R779
R781
KYSDB[0-7]
024:1B:025:A1
VOUTB[0-7]
024:1A:025:A1
TMS
TCK
DQ_PBB[0-7]
DQ_PRB[0-7]
CONF_NSTATUS
CONF_DONE
1
2
3
4
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6
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14
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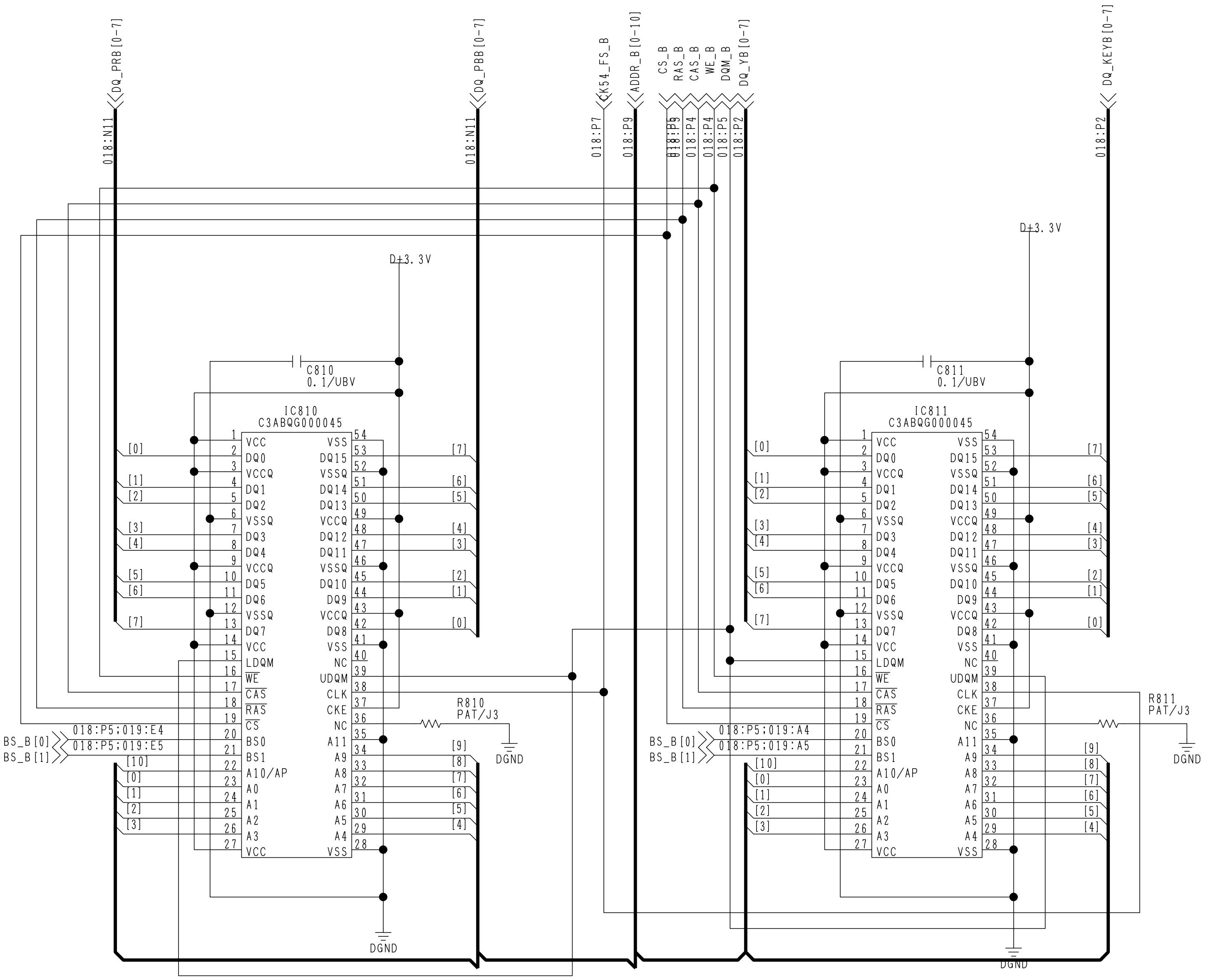
A
B
C
D
E
F
G
H
I
J

COMPONENT NAME	MAIN (B-BUS FS)	18/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (18/41) (1)	
	SCM020	

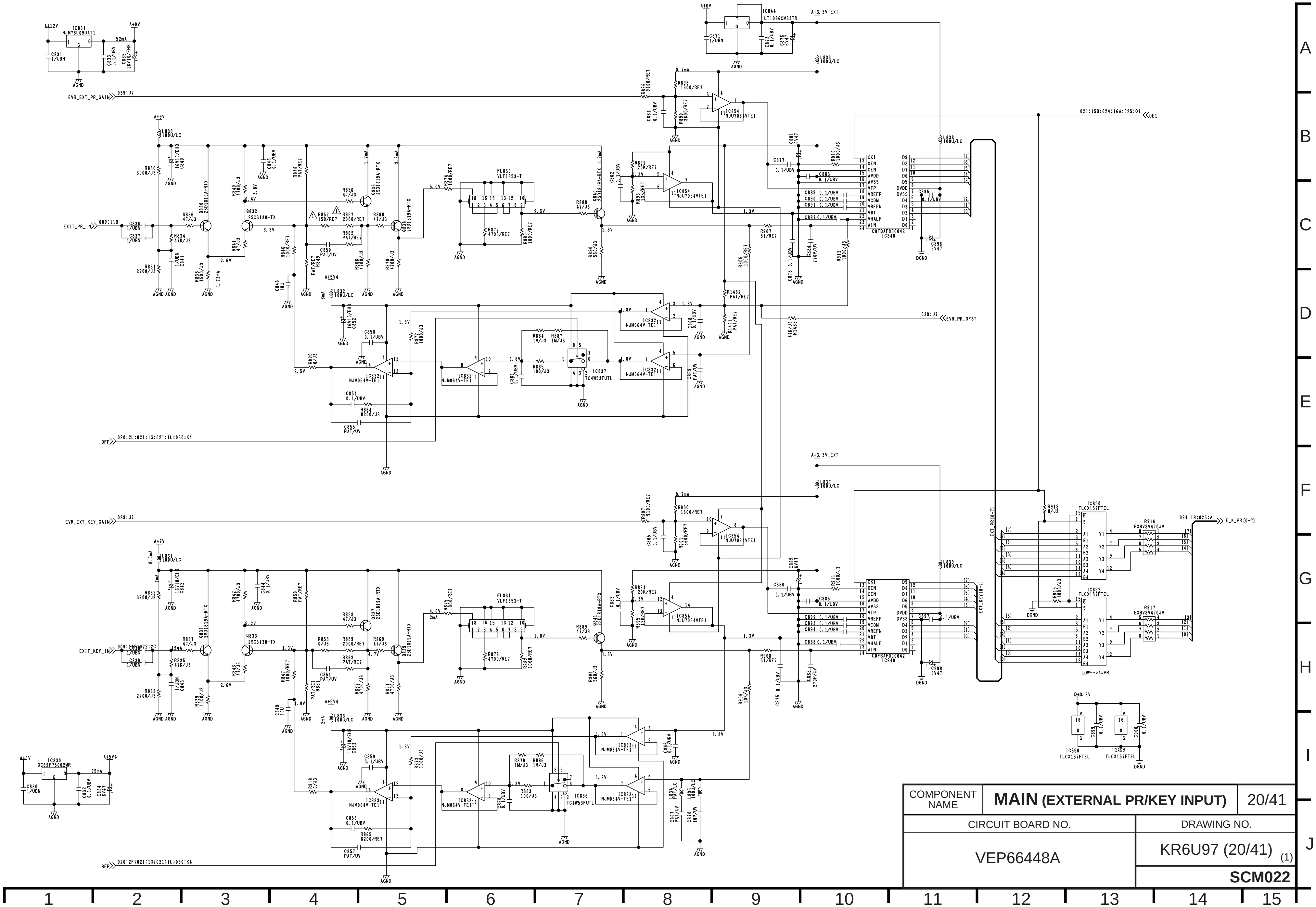

DQ_PRB[0-7]
018:N11
DQ_PBB[0-7]
018:N11
CK54_FS_B
018:P7
ADDR_B[0-10]
018:P9
CS_B
RAS_B
CAS_B
WE_B
DQM_B
DQ_YB[0-7]
018:P5
018:P4
018:P4
018:P5
018:P2
DQ_KEYB[0-7]
018:P2
D+3.3V
C810
0.1/UBV
IC810
C3ABQG000045
C811
0.1/UBV
IC811
C3ABQG000045
VCC
DQ0
VCCQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VCCQ
DQ5
DQ6
VSSQ
DQ7
VCC
LDQM
WE
CAS
RAS
CS
BS0
BS1
A10/AP
A0
A1
A2
A3
VCC
VSS
DQ15
VSSQ
DQ14
DQ13
VCCQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VCCQ
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
R810
PAT/J3
R811
PAT/J3
DGND
BS_B[0]
BS_B[1]
018:P5;019:E4
018:P5;019:E5
018:P5;019:A4
018:P5;019:A5

COMPONENT NAME | **MAIN (B-BUS FS / SDRAM)** | 19/41

CIRCUIT BOARD NO.
VEP66448A

DRAWING NO.
KR6U97 (19/41) (1)

SCM021


IC831 NJM78L09UA1
IC830 XC62FP5002MR
IC844 LT1086CM33TR
A+12V
A+9V
A+6V
A+5V4
A+3.3V_EXT
AGND
DGND
EVR_EXT_PR_GAIN
EVR_EXT_KEY_GAIN
EXIT_PR_IN
EXIT_KEY_IN
EVR_PR_OFST
BFP
OE1
E_K_PR[0-7]
EXT_PR[0-7]
EXT_KEY[0-7]
FL830 VLF1353-T
FL831 VLF1353-T
IC832 NJM064V-TE1
IC833 NJM064V-TE1
IC854 NJU7064VTE1
IC837 TC4W53FUTL
IC836 TC4W53FUTL
IC848 CDFBAF000042
IC849 CDFBAF000042
IC850 TLCX157FTEL
IC852 TLCX157FTEL
R916 EXBV8V470JV
R917 EXBV8V470JV
Q830 2SD1819A-RTX
Q831 2SD1819A-RTX
Q832 2SC3130-TX
Q833 2SC3130-TX
Q836 2SD1819A-RTX
Q837 2SD1819A-RTX
Q838 2SD1819A-RTX
Q839 2SD1819A-RTX
Q840 2SD1819A-RTX
Q841 2SD1819A-RTX
LOW-->A=PR
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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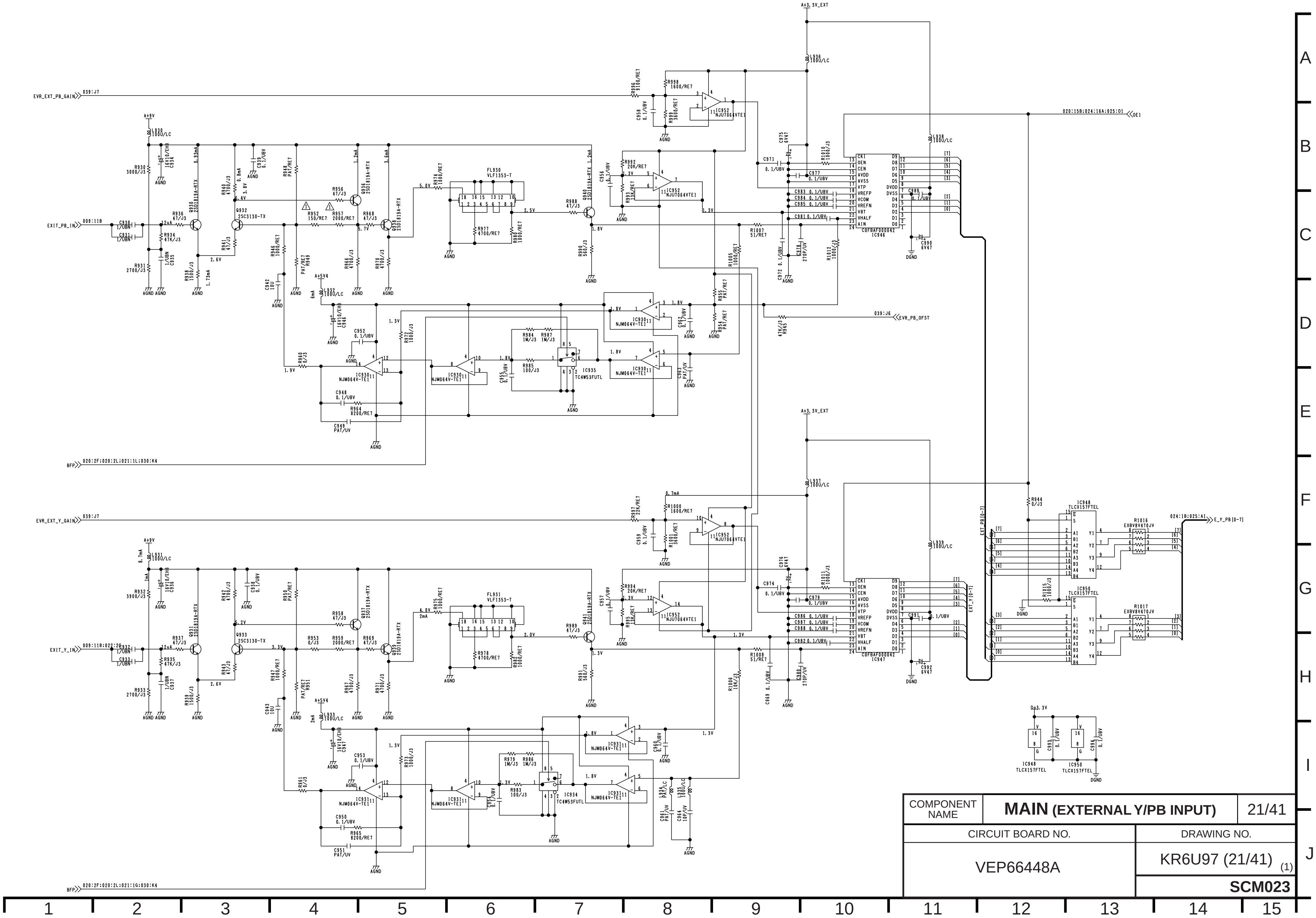
COMPONENT NAME	**MAIN** **(EXTERNAL PR/KEY INPUT)**	20/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (20/41) (1)	
	SCM022	


A+3.3V_EXT
EVR_EXT_PB_GAIN
039:J7
A+9V
L930 1000/LC
EXIT_PB_IN
009:11B
FL930 VLF1353-T
IC952 NJU7064VTE1
020:15B:024:16A:025:01
OE1
C0FBAF000042
IC946
IC930 NJM064V-TE1
IC935 TC4W53FUTL
039:J6
EVR_PB_OFST
BFP
020:2F:020:2L:021:1L:030:K4
EVR_EXT_Y_GAIN
EXIT_Y_IN
009:11B:022:2G
FL931 VLF1353-T
IC947
IC948 TLCX157FTEL
IC950 TLCX157FTEL
R1016 EXBV8V470JV
R1017 EXBV8V470JV
024:1B:025:A1
E_Y_PB[0-7]
EXT_PB[0-7]
EXT_Y[0-7]
IC931 NJM064V-TE1
IC934 TC4W53FUTL
020:2F:020:2L:021:1G:030:K4
D+3.3V
AGND
DGND
A
B
C
D
E
F
G
H
I
J
1
2
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5
6
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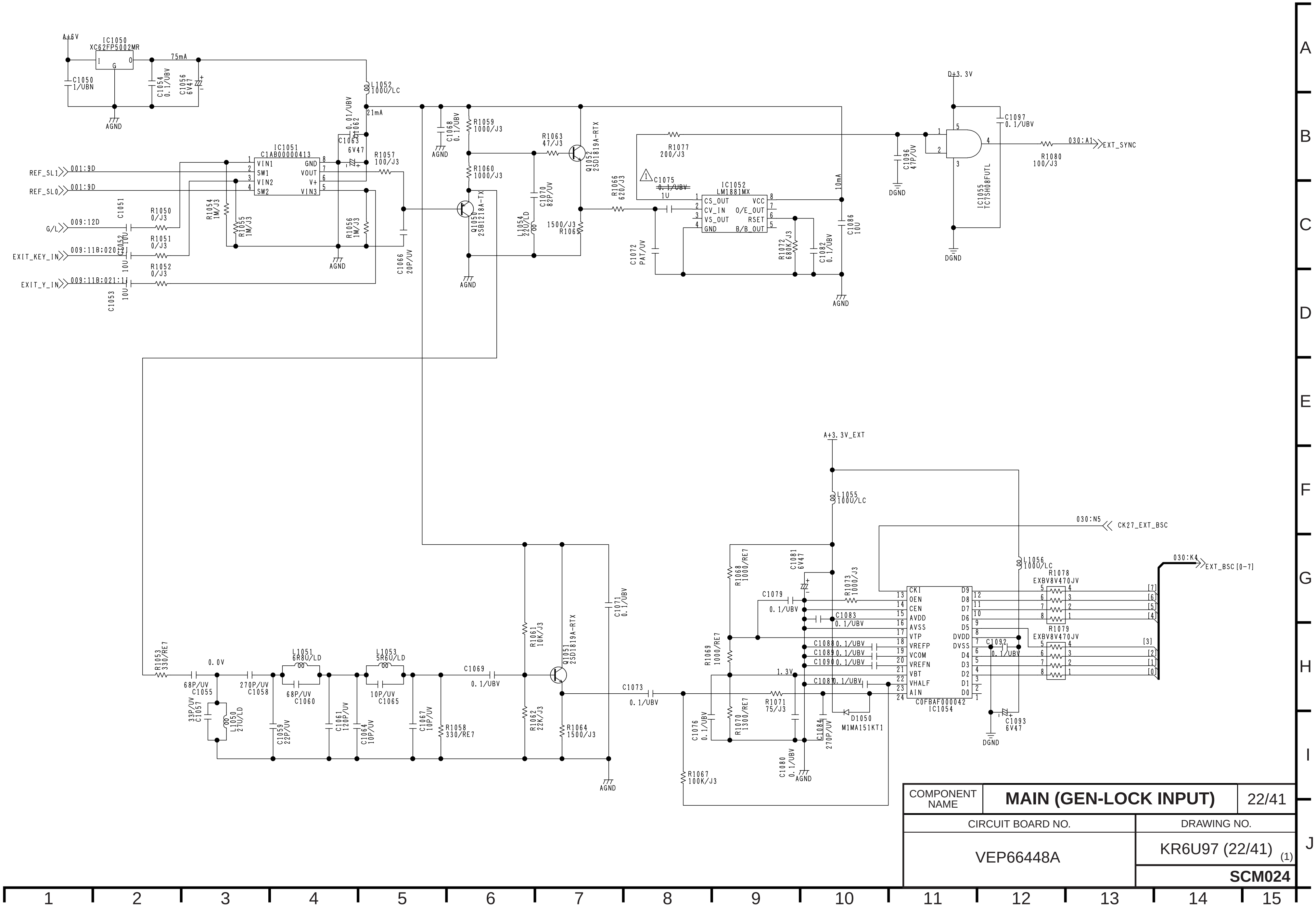
COMPONENT NAME	**MAIN (EXTERNAL Y/PB INPUT)**	21/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (21/41) (1)	
	SCM023	


A+6V
IC1050
XC62FP5002MR
C1050
1/UBN
C1054
0.1/UBV
C1056
6V47
75mA
AGND
L1052
1000/LC
21mA
0.01/UBV
C1062
C1063
6V47
IC1051
C1AB00000413
VIN1
SW1
VIN2
SW2
GND
VOUT
V+
VIN3
R1057
100/J3
REF_SL1
REF_SL0
001:9D
G/L
009:12D
EXIT_KEY_IN
009:11B:020
EXIT_Y_IN
009:11B:021
C1051
C1052
C1053
10U
R1050
0/J3
R1051
0/J3
R1052
0/J3
R1054
1M/J3
R1055
1M/J3
R1056
1M/J3
C1066
20P/UV
C1068
0.1/UBV
R1059
1000/J3
R1060
1000/J3
Q1050
2SB1218A-TX
R1063
47/J3
Q1052
2SD1819A-RTX
C1070
82P/UV
L1054
220/LD
1500/J3
R1065
R1066
620/J3
R1077
200/J3
C1075
~~0.1/UBV~~
1U
IC1052
LM1881MX
CS_OUT
CV_IN
VS_OUT
GND
VCC
O/E_OUT
RSET
B/B_OUT
10mA
C1086
10U
C1072
PAT/UV
R1072
680K/J3
C1082
0.1/UBV
D+3.3V
C1097
0.1/UBV
C1096
47P/UV
DGND
IC1055
TC7SH08FUTL
R1080
100/J3
030:A1
EXT_SYNC
A+3.3V_EXT
L1055
1000/LC
030:N5
CK27_EXT_BSC
L1056
1000/LC
030:K4
EXT_BSC[0-7]
R1078
EXBV8V470JV
R1079
EXBV8V470JV
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0]
R1068
1000/RE7
C1081
6V47
R1073
1000/J3
C1079
0.1/UBV
C1083
0.1/UBV
C1088
0.1/UBV
C1089
0.1/UBV
C1090
0.1/UBV
C1087
0.1/UBV
C1092
0.1/UBV
C1093
6V47
CKI
OEN
CEN
AVDD
AVSS
VTP
VREFP
VCOM
VREFN
VBT
VHALF
AIN
D9
D8
D7
D6
D5
DVDD
DVSS
D4
D3
D2
D1
D0
C0FBAF000042
IC1054
D1050
M1MA151KT1
R1069
1000/RE7
R1070
1300/RE7
R1071
75/J3
1.3V
C1076
0.1/UBV
C1084
270P/UV
C1080
0.1/UBV
R1067
100K/J3
C1073
0.1/UBV
C1071
0.1/UBV
R1061
10K/J3
Q1051
2SD1819A-RTX
R1062
22K/J3
R1064
1500/J3
C1069
0.1/UBV
R1058
330/RE7
C1067
10P/UV
L1053
5R6U/LD
10P/UV
C1065
C1064
10P/UV
C1061
120P/UV
L1051
6R8U/LD
68P/UV
C1060
C1059
22P/UV
270P/UV
C1058
0.0V
68P/UV
C1055
33P/UV
C1057
L1050
27U/LD
R1053
330/RE7
A
B
C
D
E
F
G
H
I
J
1
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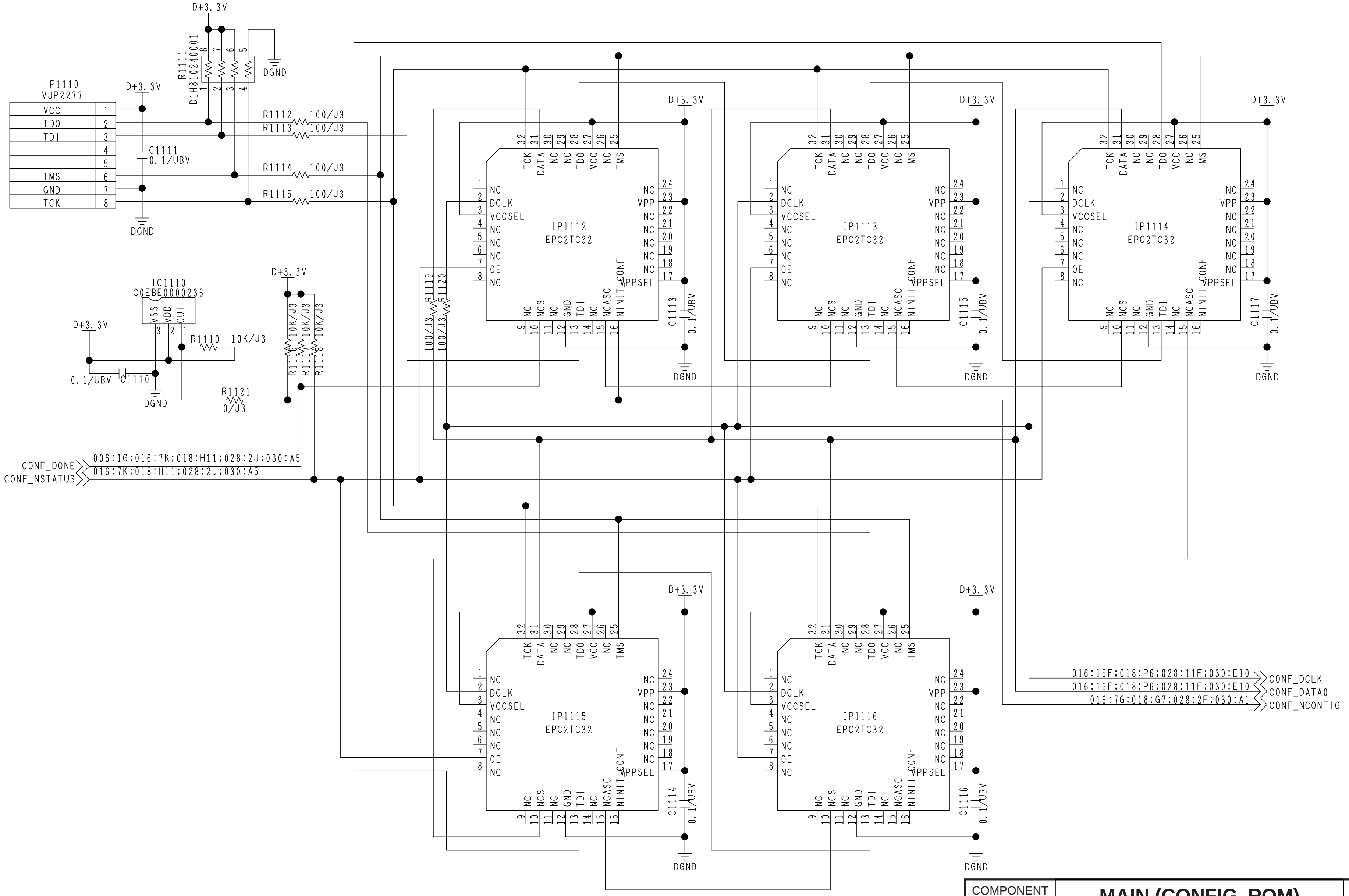
COMPONENT NAME	MAIN (GEN-LOCK INPUT)	22/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (22/41) (1)	
	SCM024	


D+3.3V
R1111
D1H810240001
DGND
P1110
VJP2277
VCC
TDO
TDI
TMS
GND
TCK
C1111
0.1/UBV
R1112 100/J3
R1113 100/J3
R1114 100/J3
R1115 100/J3
IC1110
C0EBE0000236
VSS
VDD
OUT
R1110 10K/J3
0.1/UBV C1110
R1121
0/J3
R1116 10K/J3
R1117 10K/J3
R1118 10K/J3
R1119 100/J3
R1120 100/J3
CONF_DONE
CONF_NSTATUS
006:1G;016:7K;018:H11;028:2J;030:A5
016:7K;018:H11;028:2J;030:A5
IP1112
EPC2TC32
IP1113
EPC2TC32
IP1114
EPC2TC32
IP1115
EPC2TC32
IP1116
EPC2TC32
NC
DCLK
VCCSEL
OE
VPP
VPPSEL
NCS
NCASC
NINIT_CONF
DATA
C1113 0.1/UBV
C1114 0.1/UBV
C1115 0.1/UBV
C1116 0.1/UBV
C1117 0.1/UBV
016:16F;018:P6;028:11F;030:E10 CONF_DCLK
016:16F;018:P6;028:11F;030:E10 CONF_DATA0
016:7G;018:G7;028:2F;030:A1 CONF_NCONFIG
A
B
C
D
E
F
G
H
I
J
1
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3
4
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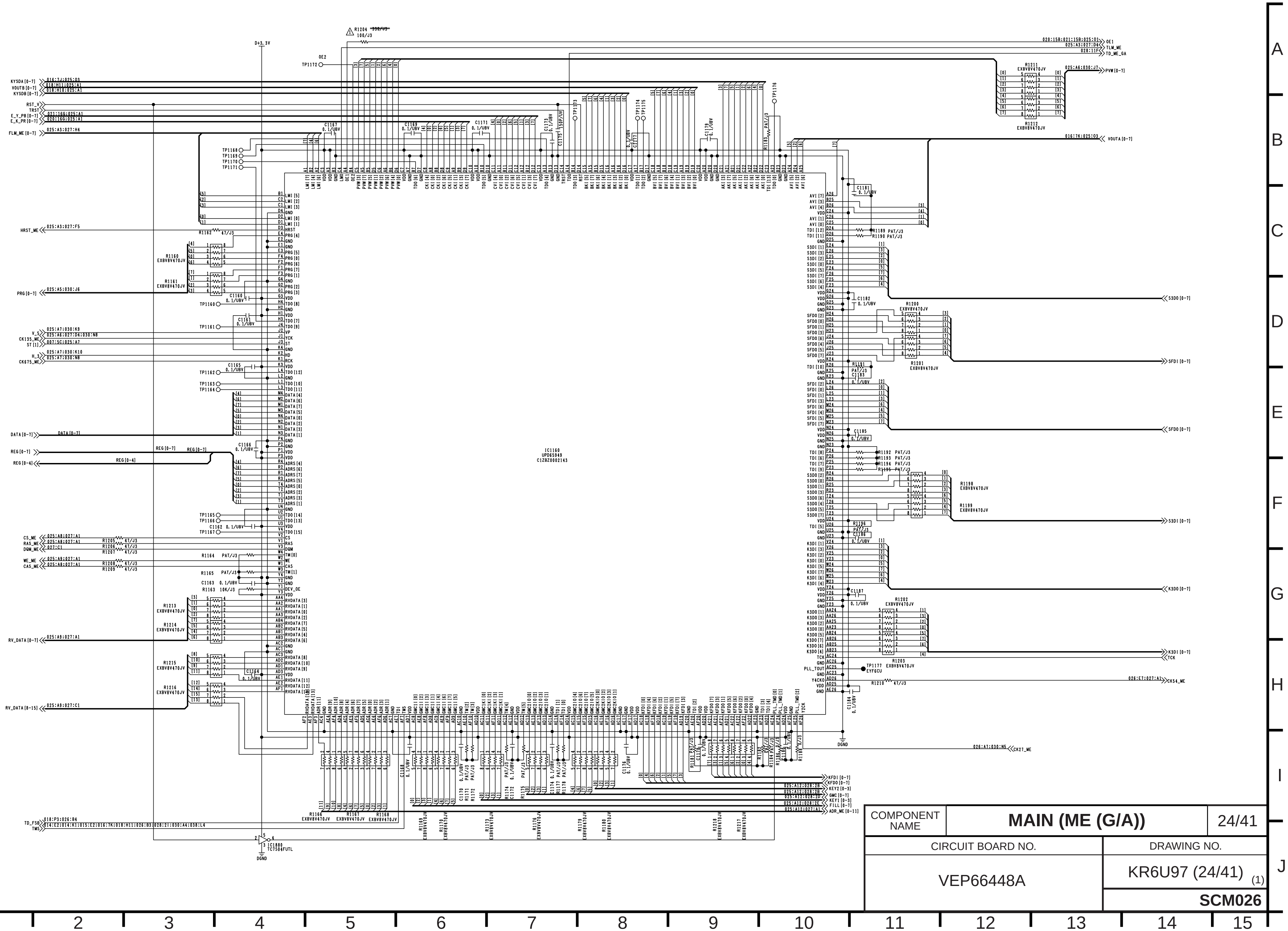
COMPONENT NAME	MAIN (CONFIG. ROM)	23/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (23/41) (1)	
	SCM025	


IC1160
UPD65949
C1ZBZ0002143
D+3.3V
OE2
TP1172
R1204 100/J3
KYSDA [0-7]
016:7J;025:03
VOUTB [0-7]
018:H11;025:A1
KYSDB [0-7]
018:H10;025:A1
RST_V
TRST
E_Y_PB [0-7]
021:16G;025:A1
E_K_PR [0-7]
020:16G;025:A1
FLM_ME [0-7]
025:A3;027:H4
HRST_ME
025:A3;027:F5
PRG [0-7]
025:A5;030:J6
V_S
ST [1]
CK135_ME
H_S
CK675_ME
DATA [0-7]
REG [0-7]
REG [0-4]
CS_ME
RAS_ME
DGM_ME
WE_ME
CAS_ME
RV_DATA [0-7]
025:A9;027:A1
RV_DATA [8-15]
025:A9;027:C1
TD_FSB
TMS
IC1800
TC7S04FUTL
DGND
OE1
021:15B;025:01
TLM_ME
025:A3;027:D4
TD_ME_GA
028:11F
PVW [0-7]
025:A6;030:J7
R1211 EXBV8V470JV
R1212 EXBV8V470JV
VOUTA [0-7]
016:7K;025:03
S3DO [0-7]
SFDI [0-7]
SFDO [0-7]
S3DI [0-7]
K3DO [0-7]
K3DI [0-7]
TCK
TP1177
CK54_ME
CK27_ME
KFDI [0-7]
KFDO [0-7]
KEY2 [0-3]
GMC [0-7]
KEY1 [0-3]
FILL [0-1]
ADR_ME [0-11]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
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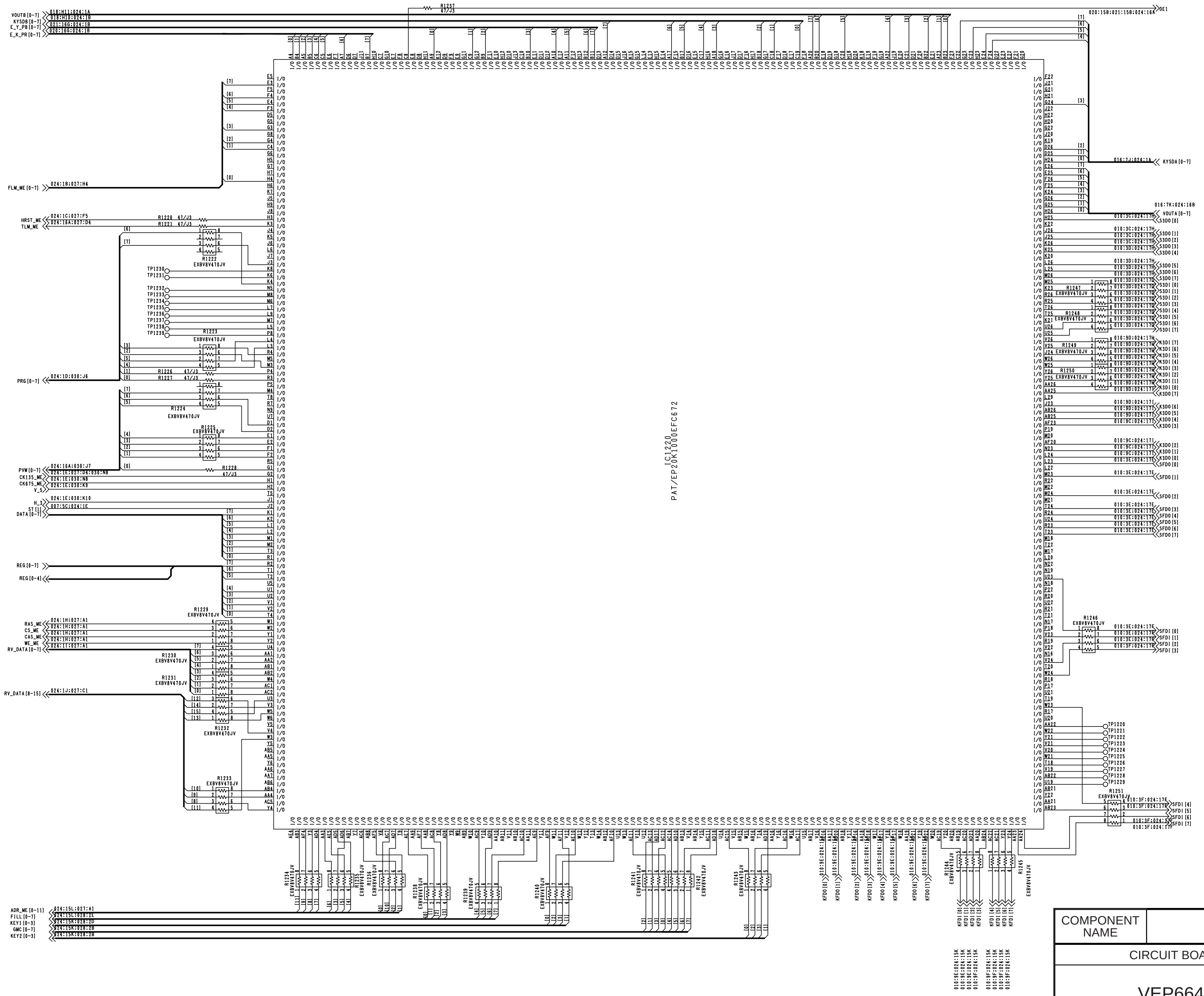
COMPONENT NAME	MAIN (ME (G/A))	24/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (24/41) (1)	
	SCM026	


IC1220
PAT/EP20K100EFC672
R1237 47/J3
VOUTB[0-7]
KYSDB[0-7]
E_Y_PB[0-7]
E_K_PR[0-7]
FLM_ME[0-1]
HRST_ME
TLM_ME
R1220 47/J3
R1221 47/J3
R1222 EXBV8V470JV
R1223 EXBV8V470JV
R1224 EXBV8V470JV
R1225 EXBV8V470JV
R1226 47/J3
R1227 47/J3
R1228 47/J3
PRG[0-7]
PVW[0-7]
CK135_ME
CK675_ME
V_S
H_S
ST[1]
DATA[0-7]
REG[0-7]
REG[0-4]
RAS_ME
CS_ME
CAS_ME
WE_ME
RV_DATA[0-7]
RV_DATA[8-15]
R1229 EXBV8V470JV
R1230 EXBV8V470JV
R1231 EXBV8V470JV
R1232 EXBV8V470JV
R1233 EXBV8V470JV
ADR_ME[0-11]
FILL[0-7]
KEY1[0-3]
GMC[0-7]
KEY2[0-3]
TP1230
TP1231
TP1232
TP1233
TP1234
TP1235
TP1236
TP1237
TP1238
TP1239
KYSDA[0-7]
VOUTA[0-7]
S3DO[0]
S3DI[0]
K3DI[0]
K3DO[0]
SFDO[0]
SFDI[0]
R1246 EXBV8V470JV
R1247 EXBV8V470JV
R1248 EXBV8V470JV
R1249 EXBV8V470JV
R1250 EXBV8V470JV
R1251 EXBV8V470JV
TP1220
TP1221
TP1222
TP1223
TP1224
TP1225
TP1226
TP1227
TP1228
TP1229
KFDO[0]
KFDI[0]
OE1
A
B
C
D
E
F
G
H
I
J
1
2
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4
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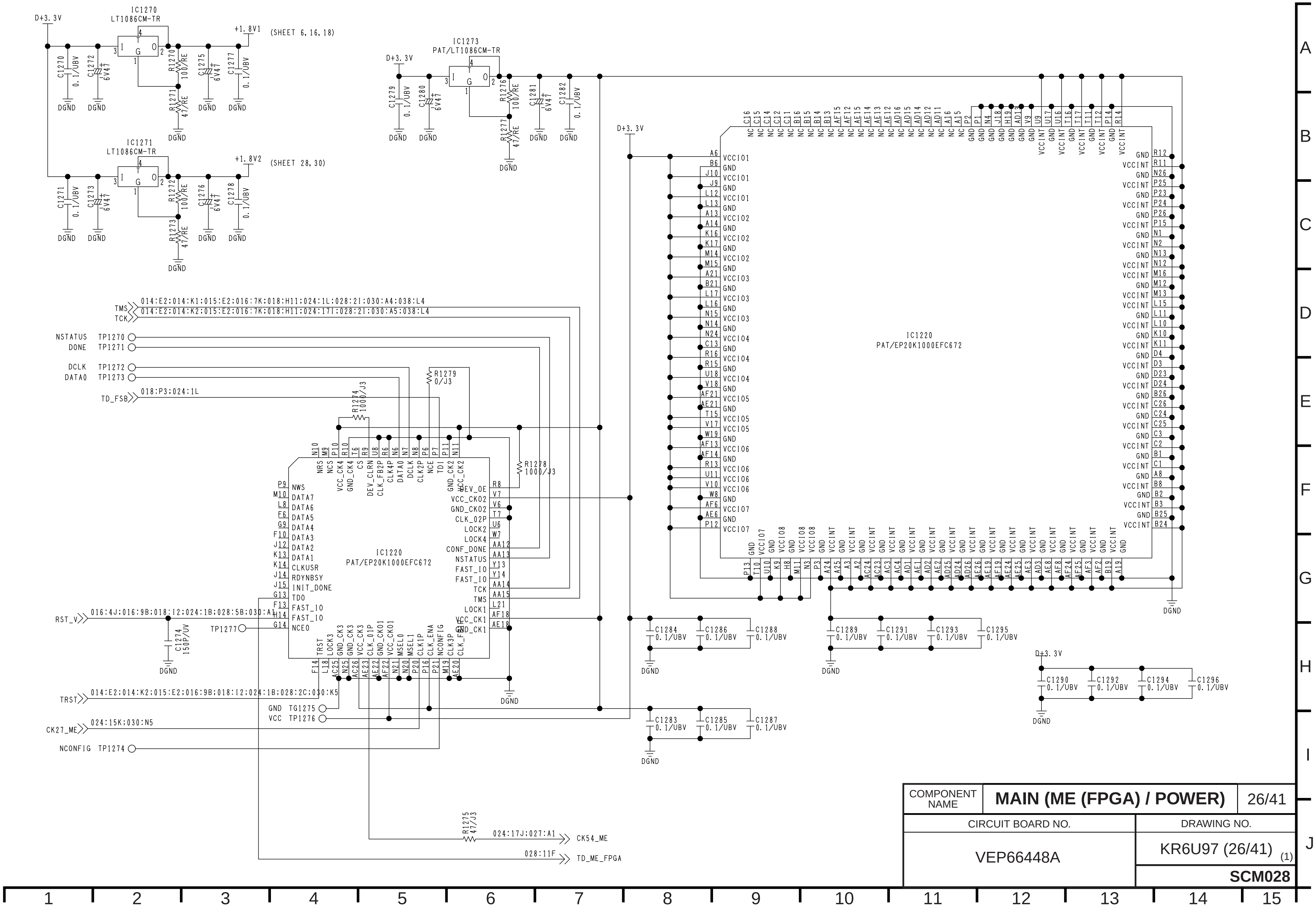
COMPONENT NAME	MAIN (ME (FPGA))	25/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (25/41) (1)	
	SCM027	



D+3.3V
IC1270
LT1086CM-TR
+1.8V1
(SHEET 6,16,18)
C1270 0.1/UBV
C1272 6V47
R1270 100/RE
R1271 47/RE
C1275 6V47
C1277 0.1/UBV
DGND
IC1271
LT1086CM-TR
+1.8V2
(SHEET 28,30)
C1271 0.1/UBV
C1273 6V47
R1272 100/RE
R1273 47/RE
C1276 6V47
C1278 0.1/UBV
IC1273
PAT/LT1086CM-TR
C1279 0.1/UBV
C1280 6V47
R1276 100/RE
R1277 47/RE
C1281 6V47
C1282 0.1/UBV
TMS
TCK
014:E2;014:K1;015:E2;016:7K;018:H11;024:1L;028:2I;030:A4;038:L4
014:E2;014:K2;015:E2;016:7K;018:H11;024:17I;028:2I;030:A5;038:L4
NSTATUS TP1270
DONE TP1271
DCLK TP1272
DATA0 TP1273
TD_FSB
018:P3;024:1L
R1279 0/J3
R1274 1000/J3
R1278 1000/J3
IC1220
PAT/EP20K1000EFC672
RST_V
016:4J;016:9B;018:I2;024:1B;028:5B;030:A1
C1274 150P/UV
TP1277
TRST
014:E2;014:K2;015:E2;016:9B;018:I2;024:1B;028:2C;030:K5
CK27_ME
024:15K;030:N5
GND TG1275
VCC TP1276
NCONFIG TP1274
R1275 47/J3
024:17J;027:A1
CK54_ME
028:11F
TD_ME_FPGA
C1284 0.1/UBV
C1286 0.1/UBV
C1288 0.1/UBV
C1289 0.1/UBV
C1291 0.1/UBV
C1293 0.1/UBV
C1295 0.1/UBV
C1283 0.1/UBV
C1285 0.1/UBV
C1287 0.1/UBV
C1290 0.1/UBV
C1292 0.1/UBV
C1294 0.1/UBV
C1296 0.1/UBV
1
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12
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14
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A
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C
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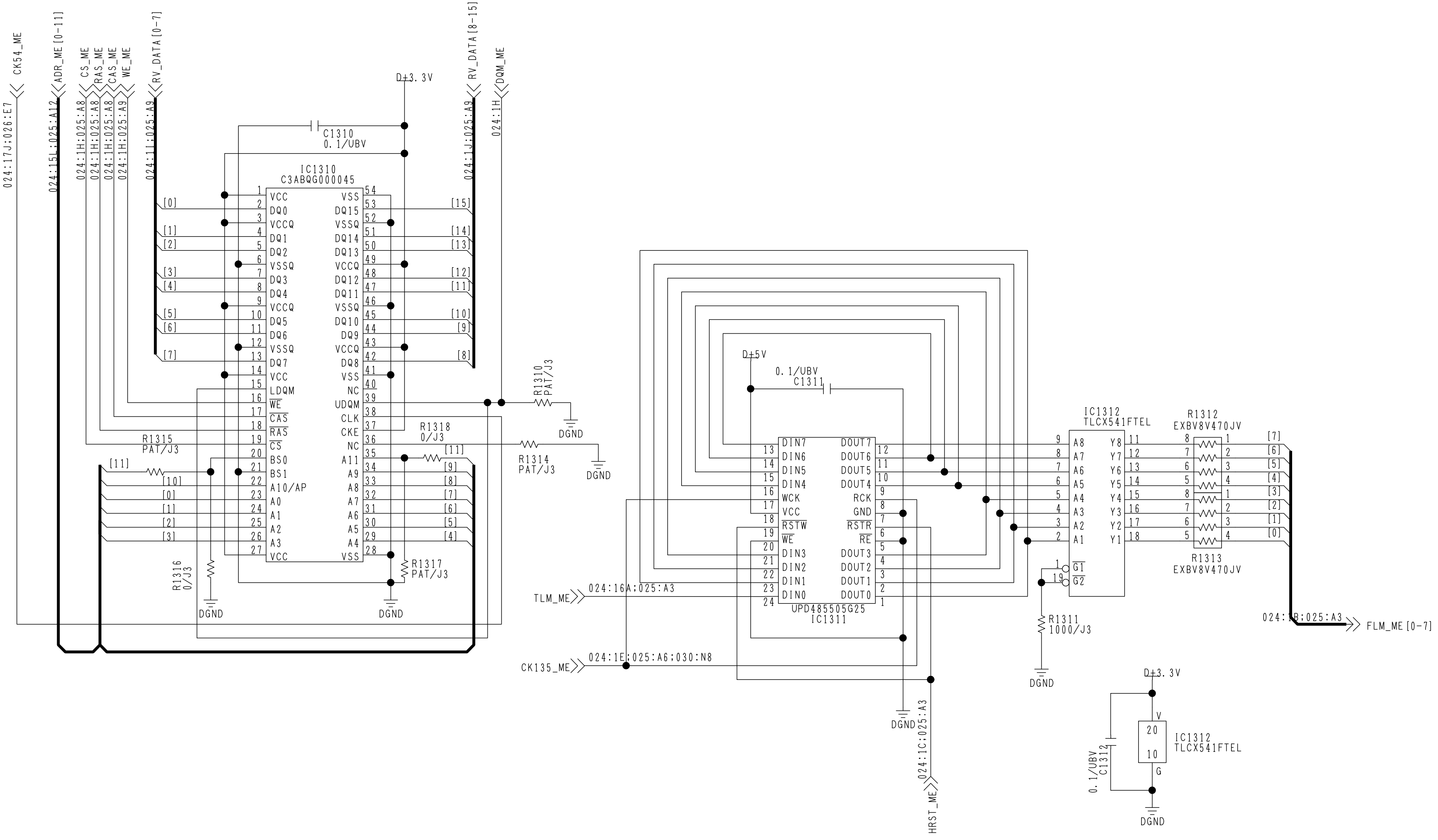
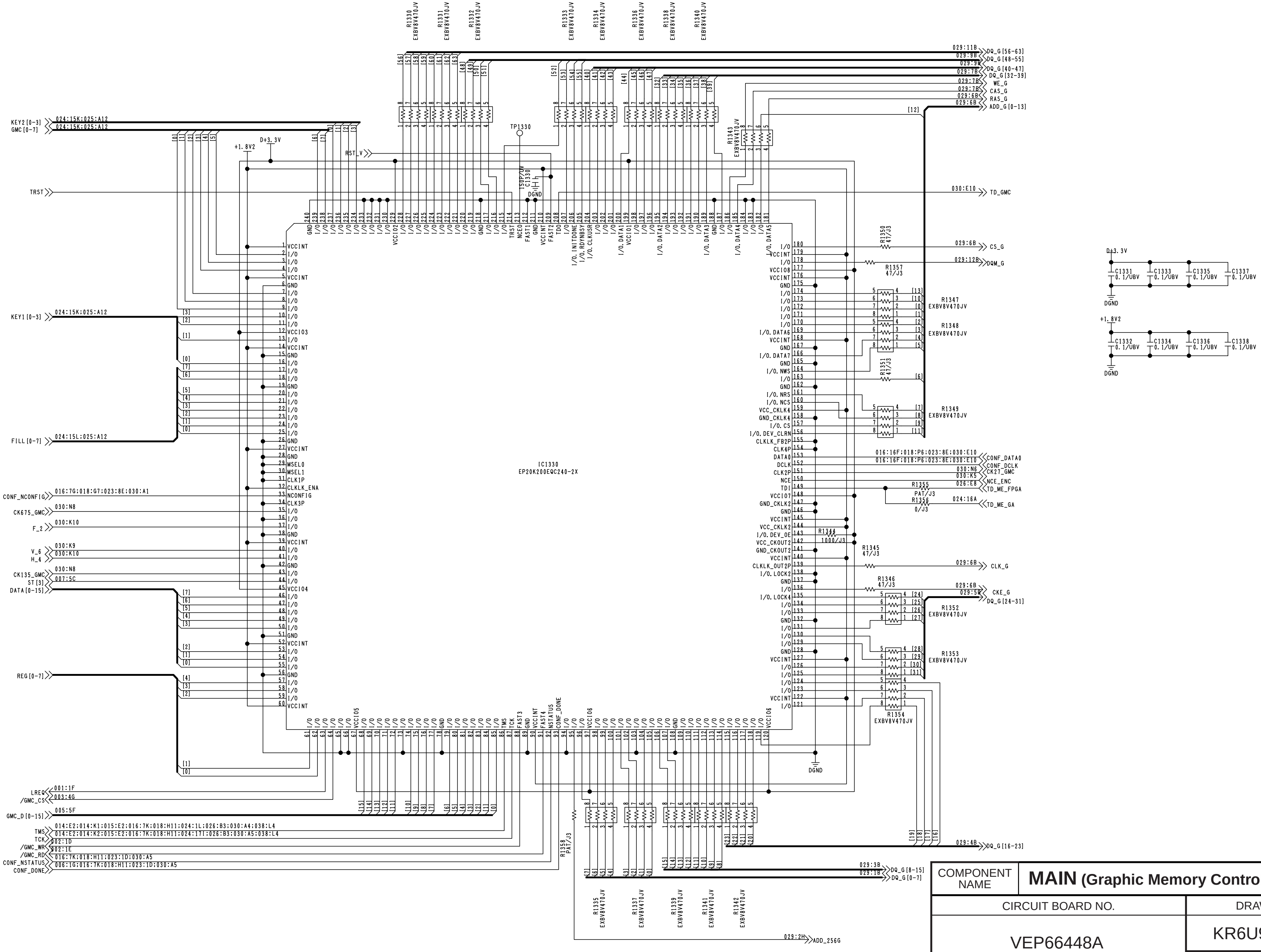
I
J

COMPONENT NAME	MAIN (ME (FPGA) / POWER)	26/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (26/41) (1)	
	SCM028	

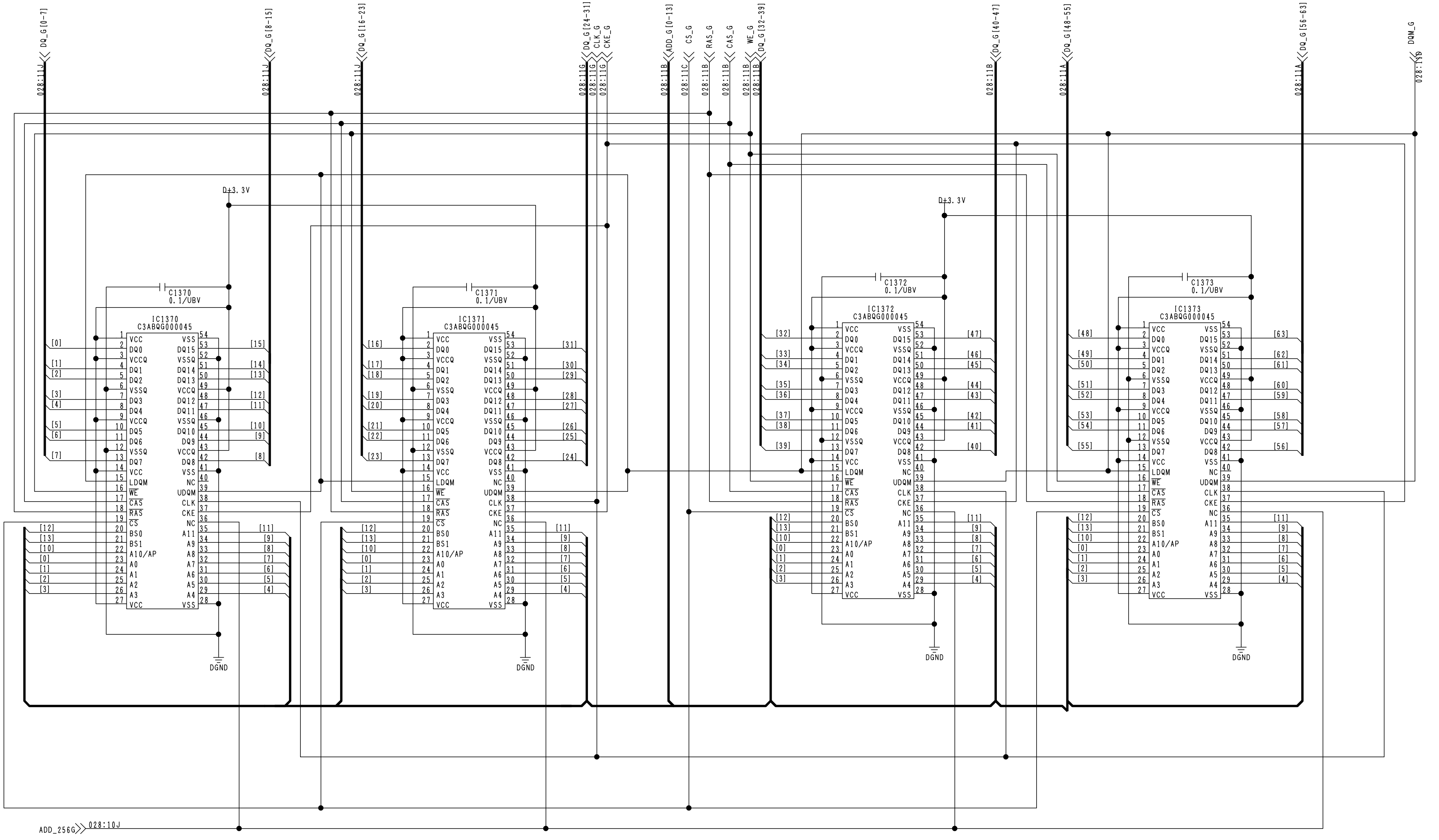

CK54_ME
024:17J:026:E7
ADR_ME[0-11]
024:15L:025:A12
CS_ME
RAS_ME
CAS_ME
WE_ME
024:1H:025:A8
024:1H:025:A8
024:1H:025:A8
024:1H:025:A9
RV_DATA[0-7]
024:1L:025:A9
RV_DATA[8-15]
024:1J:025:A9
DQM_ME
024:1H
D+3.3V
C1310
0.1/UBV
IC1310
C3ABQG000045
VCC
DQ0
VCCQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VCCQ
DQ5
DQ6
VSSQ
DQ7
VCC
LDQM
WE
CAS
RAS
CS
BS0
BS1
A10/AP
A0
A1
A2
A3
VCC
VSS
DQ15
VSSQ
DQ14
DQ13
VCCQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VCCQ
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
R1310
PAT/J3
R1315
PAT/J3
R1318
0/J3
R1314
PAT/J3
R1316
0/J3
R1317
PAT/J3
DGND
D+5V
0.1/UBV
C1311
DIN7
DIN6
DIN5
DIN4
WCK
VCC
RSTW
WE
DIN3
DIN2
DIN1
DIN0
DOUT7
DOUT6
DOUT5
DOUT4
RCK
GND
RSTR
RE
DOUT3
DOUT2
DOUT1
DOUT0
UPD485505G25
IC1311
TLM_ME
024:16A:025:A3
CK135_ME
024:1E:025:A6:030:N8
HRST_ME
024:1C:025:A3
IC1312
TLCX541FTEL
A8
A7
A6
A5
A4
A3
A2
A1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G1
G2
R1312
EXBV8V470JV
R1313
EXBV8V470JV
R1311
1000/J3
024:1B:025:A3
FLM_ME[0-7]
D+3.3V
V
20
10
G
IC1312
TLCX541FTEL
0.1/UBV
C1312

COMPONENT NAME	MAIN (ME / MEMORY)	27/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (27/41) (1)	
	SCM029	

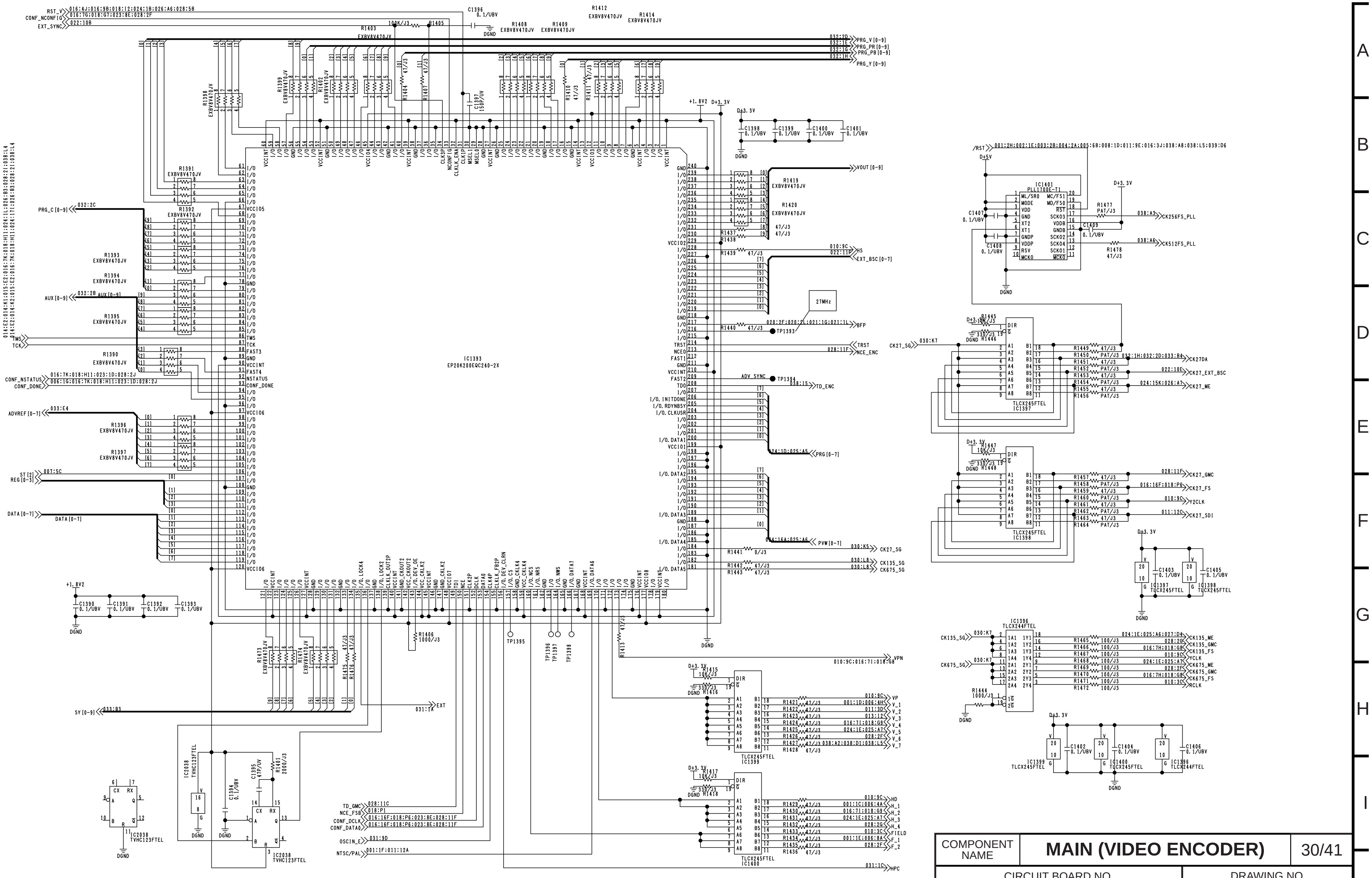

IC1330
EP20K200EQC240-2X
KEY2[0-3]
GMC[0-7]
KEY1[0-3]
FILL[0-7]
CONF_NCONFIG
CK675_GMC
F_2
V_6
H_4
CK135_GMC
ST[3]
DATA[0-15]
REG[0-7]
LREQ
/GMC_CS
GMC_D[0-15]
TMS
TCK
/GMC_WR
/GMC_RD
CONF_NSTATUS
CONF_DONE
TRST
RST_V
TP1330
+1.8V2
D+3.3V
DGND
DQ_G[56-63]
DQ_G[48-55]
DQ_G[40-47]
DQ_G[32-39]
WE_G
CAS_G
RAS_G
ADD_G[0-13]
TD_GMC
CS_G
DQM_G
CONF_DATA0
CONF_DCLK
CK27_GMC
NCE_ENC
TD_ME_FPGA
TD_ME_GA
CLK_G
CKE_G
DQ_G[24-31]
DQ_G[16-23]
DQ_G[8-15]
DQ_G[0-7]
ADD_256G
R1330 R1331 R1332 R1333 R1334 R1336 R1338 R1340 R1343
R1335 R1337 R1339 R1341 R1342
R1347 R1348 R1349 R1352 R1353 R1354
EXBV8V470JV
R1350 R1351 R1357 R1345 R1346
47/J3
R1344
1000/J3
R1355
PAT/J3
R1356
0/J3
R1358
C1330
150P/UV
C1331 C1333 C1335 C1337 C1332 C1334 C1336 C1338
0.1/UBV

COMPONENT NAME	**MAIN** (Graphic Memory Controller)	28/41

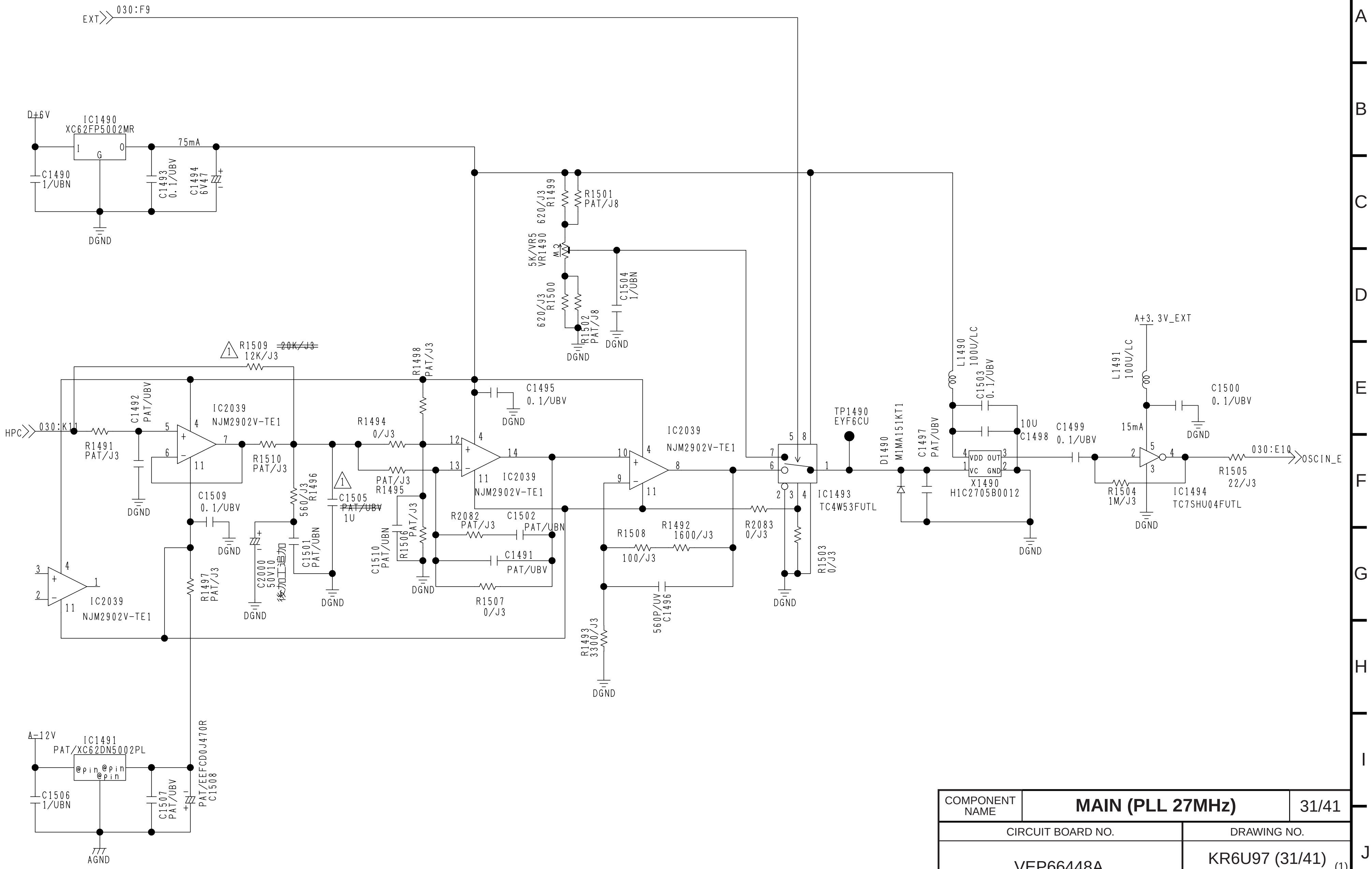
CIRCUIT BOARD NO.	DRAWING NO.
VEP66448A	KR6U97 (28/41) (1)
	SCM030


DQ_G[0-7]
DQ_G[8-15]
DQ_G[16-23]
DQ_G[24-31]
CLK_G
CKE_G
ADD_G[0-13]
CS_G
RAS_G
CAS_G
WE_G
DQ_G[32-39]
DQ_G[40-47]
DQ_G[48-55]
DQ_G[56-63]
DQM_G
028:11J
028:11G
028:11B
028:11C
028:11A
D+3.3V
C1370
0.1/UBV
C1371
0.1/UBV
C1372
0.1/UBV
C1373
0.1/UBV
IC1370
C3ABQG000045
IC1371
C3ABQG000045
IC1372
C3ABQG000045
IC1373
C3ABQG000045
VCC
DQ0
VCCQ
DQ1
DQ2
VSSQ
DQ3
DQ4
DQ5
DQ6
DQ7
LDQM
WE
CAS
RAS
CS
BS0
BS1
A10/AP
A0
A1
A2
A3
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
NC
UDQM
CLK
CKE
A11
A9
A8
A7
A6
A5
A4
DGND
ADD_256G
028:10J

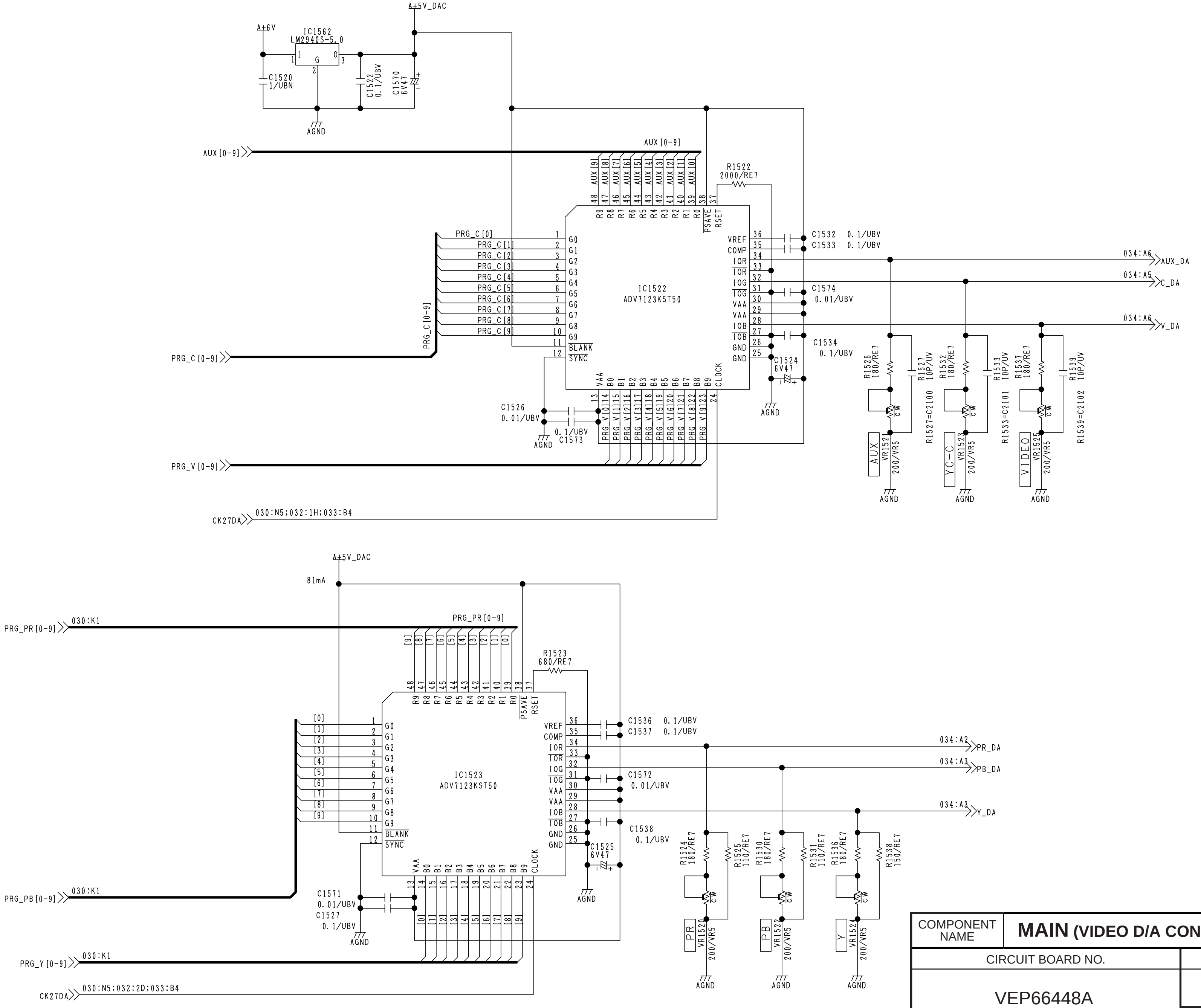
COMPONENT NAME	**MAIN (GMC / SDRAM)**	29/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (29/41) (1)	
	SCM031	


IC1393
EP20K200EQC240-2X
IC1401
PLL1700E-T1
IC1397
TLCX245FTEL
IC1398
TLCX245FTEL
IC1396
TLCX244FTEL
IC1399
TLCX245FTEL
IC1400
TLCX245FTEL
IC2038
TVHC123FTEL
27MHz
PRG_V [0-9]
PRG_PR [0-9]
PRG_PB [0-9]
PRG_Y [0-9]
PRG_C [0-9]
AUX [0-9]
ADVREF [0-7]
DATA [0-7]
VOUT [0-9]
EXT_BSC [0-7]
PRG [0-7]
PVW [0-7]
RST_V
CONF_NCONFIG
EXT_SYNC
CONF_NSTATUS
CONF_DONE
TD_GMC
NCE_FSB
CONF_DCLK
CONF_DATA0
OSCIN_E
NTSC/PAL
VPN
HPC
TRST
NCE_ENC
TD_ENC
CK27_SG
CK135_SG
CK675_SG
CK256FS_PLL
CK512FS_PLL
CK27DA
CK27_EXT_BSC
CK27_ME
CK27_GMC
CK27_FS
Y2CLK
CK27_SDI
YCLK
RCLK
DGND
D+3.3V
+1.8V2
D+5V

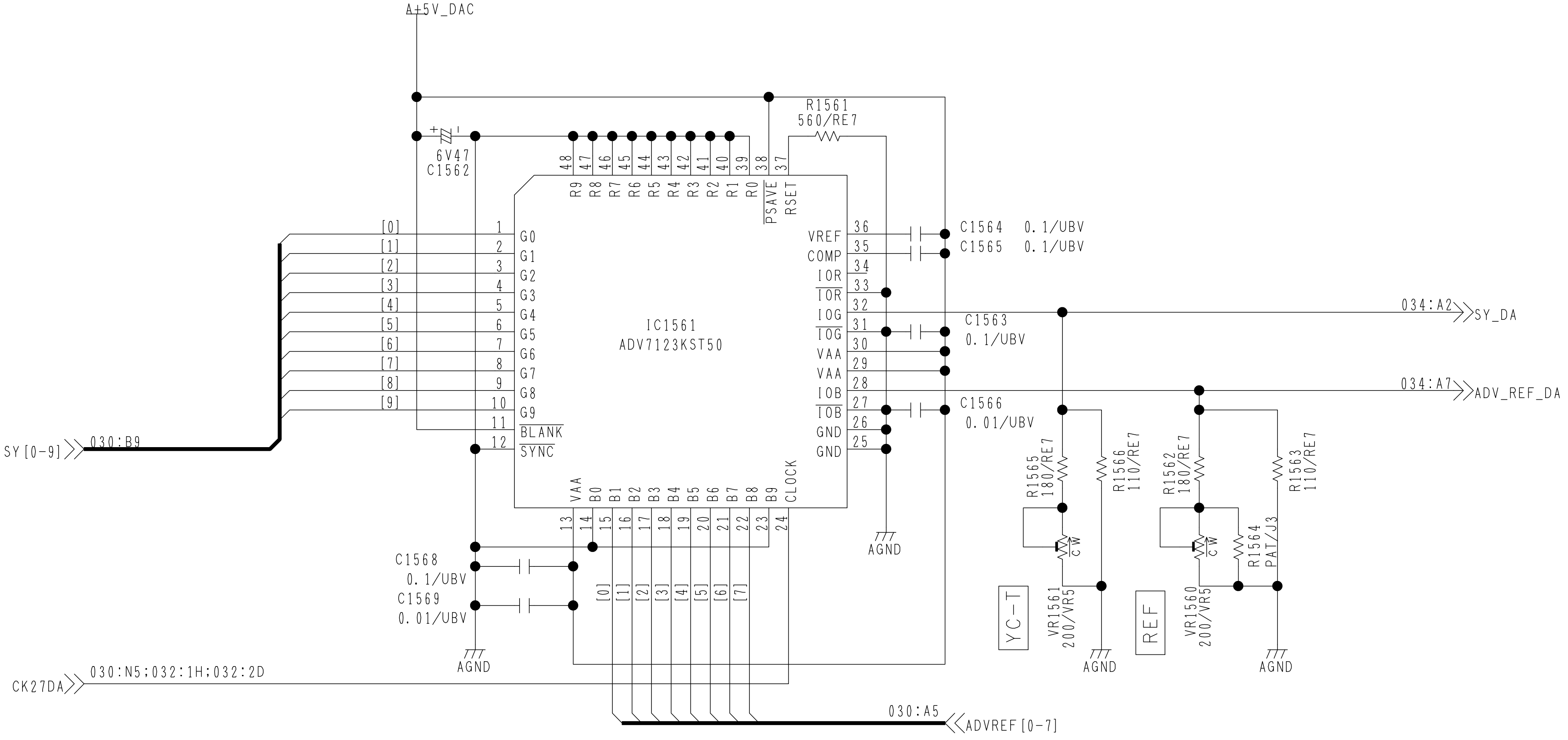
COMPONENT NAME	MAIN (VIDEO ENCODER)	30/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (30/41) (1)	
	SCM032	


EXT
030:F9
D+6V
IC1490
XC62FP5002MR
I
G
O
75mA
C1490
1/UBN
C1493
0.1/UBV
C1494
6V47
DGND
R1499
620/J3
R1501
PAT/J8
VR1490
5K/VR5
R1500
620/J3
R1502
PAT/J8
C1504
1/UBN
DGND
R1509
~~20K/J3~~
12K/J3
R1498
PAT/J3
HPC
030:K11
R1491
PAT/J3
C1492
PAT/UBV
IC2039
NJM2902V-TE1
R1510
PAT/J3
R1494
0/J3
R1495
PAT/J3
R1496
560/J3
C1505
~~PAT/UBV~~
1U
C1509
0.1/UBV
C1495
0.1/UBV
DGND
C2000
50V10
後加工追加
C1501
PAT/UBN
C1510
PAT/UBN
R1506
PAT/J3
R2082
PAT/J3
C1502
PAT/UBN
C1491
PAT/UBV
R1507
0/J3
R1497
PAT/J3
R1508
100/J3
R1492
1600/J3
C1496
560P/UV
R1493
3300/J3
R2083
0/J3
R1503
0/J3
IC1493
TC4W53FUTL
TP1490
EYF6CU
D1490
M1MA151KT1
C1497
PAT/UBV
L1490
100U/LC
C1503
0.1/UBV
C1498
10U
X1490
H1C2705B0012
VDD OUT
VC GND
C1499
0.1/UBV
A+3.3V_EXT
L1491
100U/LC
C1500
0.1/UBV
15mA
R1504
1M/J3
IC1494
TC7SHU04FUTL
R1505
22/J3
030:E10
OSCIN_E
A-12V
IC1491
PAT/XC62DN5002PL
@pin @pin
@pin
C1506
1/UBN
C1507
PAT/UBV
C1508
PAT/EEFCD0J470R
AGND

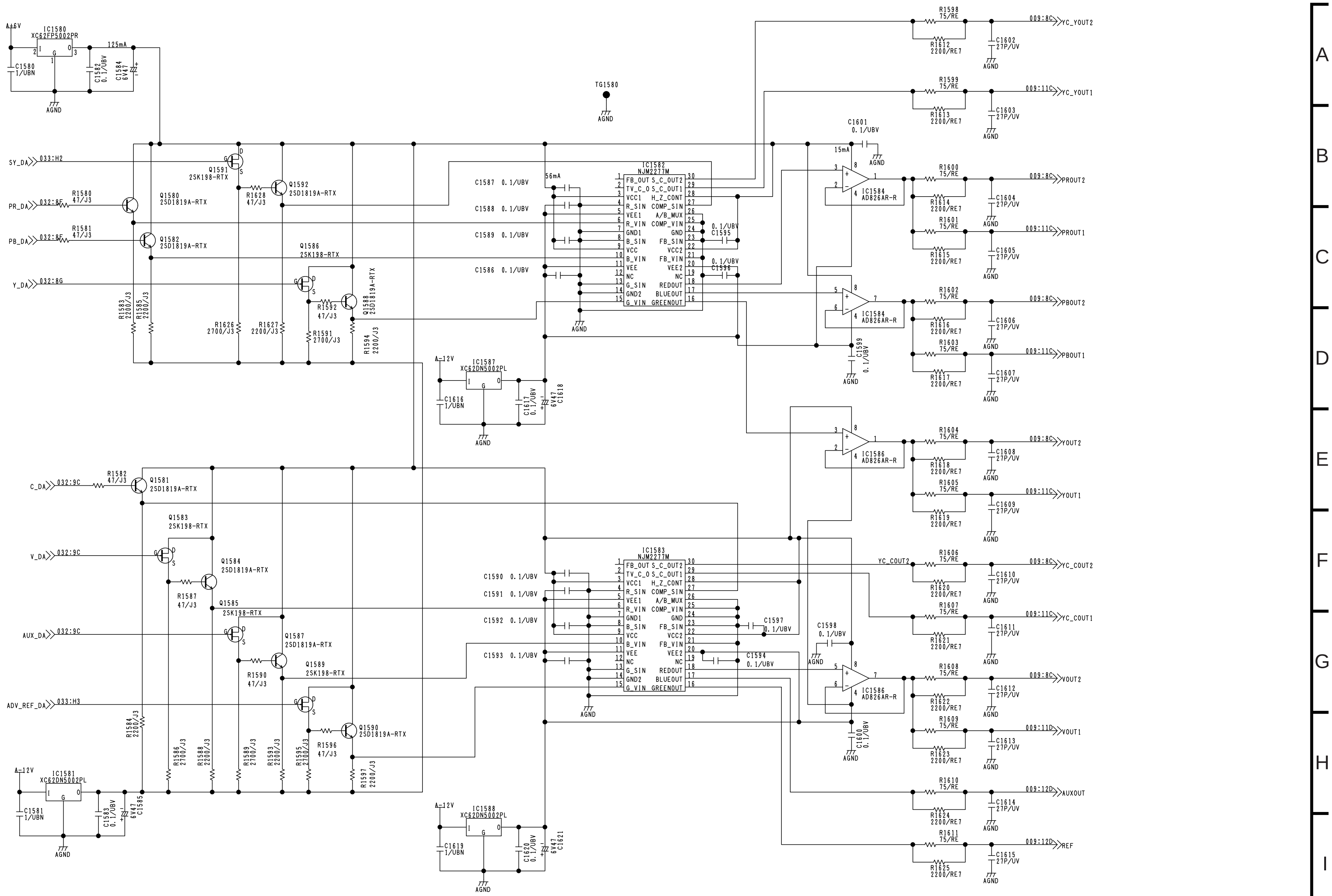
COMPONENT NAME	**MAIN (PLL 27MHz)**	31/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (31/41) (1)	
	SCM033	


A+5V_DAC
A+6V
IC1562
LM2940S-5.0
C1520
1/UBN
C1522
0.1/UBV
C1570
6V47
AGND
AUX[0-9]
R1522
2000/RE7
IC1522
ADV7123KST50
PRG_C[0-9]
PRG_V[0-9]
CK27DA
030:N5:032:1H:033:B4
C1532 0.1/UBV
C1533 0.1/UBV
C1574 0.01/UBV
C1534 0.1/UBV
C1524 6V47
C1526 0.01/UBV
C1573 0.1/UBV
034:A6 AUX_DA
034:A5 C_DA
034:A6 V_DA
R1526 180/RE7
R1527 10P/UV
R1532 180/RE7
R1533 10P/UV
R1537 180/RE7
R1539 10P/UV
R1527=C2100
R1533=C2101
R1539=C2102
AUX VR1521 200/VR5
YC-C VR1523 200/VR5
VIDEO VR1525 200/VR5
81mA
PRG_PR[0-9] 030:K1
PRG_PB[0-9] 030:K1
PRG_Y[0-9] 030:K1
CK27DA 030:N5:032:2D:033:B4
R1523
680/RE7
IC1523
ADV7123KST50
C1536 0.1/UBV
C1537 0.1/UBV
C1572 0.01/UBV
C1538 0.1/UBV
C1525 6V47
C1571 0.01/UBV
C1527 0.1/UBV
034:A2 PR_DA
034:A3 PB_DA
034:A3 Y_DA
R1524 180/RE7
R1525 110/RE7
R1530 180/RE7
R1531 110/RE7
R1536 180/RE7
R1538 150/RE7
PR VR1520 200/VR5
PB VR1522 200/VR5
Y VR1524 200/VR5
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	**MAIN (VIDEO D/A CONVERTER 1)**	32/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (32/41) (1)	
	SCM034	


A+5V_DAC
6V47
C1562
R1561
560/RE7
48 47 46 45 44 43 42 41 40 39 38 37
R9 R8 R7 R6 R5 R4 R3 R2 R1 R0 PSAVE RSET
IC1561
ADV7123KST50
[0] [1] [2] [3] [4] [5] [6] [7] [8] [9]
1 G0
2 G1
3 G2
4 G3
5 G4
6 G5
7 G6
8 G7
9 G8
10 G9
11 BLANK
12 SYNC
SY[0-9]
030:B9
VREF 36
COMP 35
IOR 34
IOR 33
IOG 32
IOG 31
VAA 30
VAA 29
IOB 28
IOB 27
GND 26
GND 25
C1564 0.1/UBV
C1565 0.1/UBV
C1563
0.1/UBV
C1566
0.01/UBV
034:A2
SY_DA
034:A7
ADV_REF_DA
VAA B0 B1 B2 B3 B4 B5 B6 B7 B8 B9 CLOCK
13 14 15 16 17 18 19 20 21 22 23 24
C1568
0.1/UBV
C1569
0.01/UBV
AGND
[0] [1] [2] [3] [4] [5] [6] [7]
CK27DA
030:N5;032:1H;032:2D
030:A5
ADVREF[0-7]
AGND
R1565
180/RE7
R1566
110/RE7
R1562
180/RE7
R1563
110/RE7
CW
CW
R1564
PAT/J3
VR1561
200/VR5
VR1560
200/VR5
YC-T
REF
AGND
AGND

COMPONENT NAME	**MAIN** (VIDEO D/A CONVERTER 2)	33/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (33/41) (1)	
	SCM035	


A+6V
IC1580
XC62FP5002PR
125mA
C1580
1/UBN
C1582
0.1/UBV
C1584
6V47
AGND
TG1580
SY_DA
033:H2
Q1591
2SK198-RTX
Q1592
2SD1819A-RTX
R1628
47/J3
PR_DA
032:8F
R1580
47/J3
Q1580
2SD1819A-RTX
PB_DA
032:8F
R1581
47/J3
Q1582
2SD1819A-RTX
Q1586
2SK198-RTX
Y_DA
032:8G
Q1588
2SD1819A-RTX
R1592
47/J3
R1583
2200/J3
R1585
2200/J3
R1626
2700/J3
R1627
2200/J3
R1591
2700/J3
R1594
2200/J3
IC1582
NJM2277M
56mA
C1587 0.1/UBV
C1588 0.1/UBV
C1589 0.1/UBV
C1586 0.1/UBV
C1595
0.1/UBV
C1596
0.1/UBV
FB_OUT S_C_OUT2
TV_C_O S_C_OUT1
VCC1 H_Z_CONT
R_SIN COMP_SIN
VEE1 A/B_MUX
R_VIN COMP_VIN
GND1 GND
B_SIN FB_SIN
VCC VCC2
B_VIN FB_VIN
VEE VEE2
NC NC
G_SIN REDOUT
GND2 BLUEOUT
G_VIN GREENOUT
A-12V
IC1587
XC62DN5002PL
C1616
1/UBN
C1617
0.1/UBV
C1618
6V47
C1601
0.1/UBV
15mA
IC1584
AD826AR-R
C1599
0.1/UBV
R1598
75/RE
R1612
2200/RE7
C1602
27P/UV
009:8C
YC_YOUT2
R1599
75/RE
R1613
2200/RE7
C1603
27P/UV
009:11C
YC_YOUT1
R1600
75/RE
R1614
2200/RE7
C1604
27P/UV
PROUT2
R1601
75/RE
R1615
2200/RE7
C1605
27P/UV
PROUT1
R1602
75/RE
R1616
2200/RE7
C1606
27P/UV
PBOUT2
R1603
75/RE
R1617
2200/RE7
C1607
27P/UV
PBOUT1
IC1586
AD826AR-R
R1604
75/RE
R1618
2200/RE7
C1608
27P/UV
YOUT2
R1605
75/RE
R1619
2200/RE7
C1609
27P/UV
YOUT1
C_DA
032:9C
R1582
47/J3
Q1581
2SD1819A-RTX
Q1583
2SK198-RTX
V_DA
032:9C
Q1584
2SD1819A-RTX
R1587
47/J3
Q1585
2SK198-RTX
AUX_DA
032:9C
Q1587
2SD1819A-RTX
R1590
47/J3
Q1589
2SK198-RTX
ADV_REF_DA
033:H3
Q1590
2SD1819A-RTX
R1596
47/J3
R1584
2200/J3
R1586
2700/J3
R1588
2200/J3
R1589
2700/J3
R1593
2200/J3
R1595
2200/J3
R1597
2200/J3
A-12V
IC1581
XC62DN5002PL
C1581
1/UBN
C1583
0.1/UBV
C1585
6V47
IC1583
NJM2277M
C1590 0.1/UBV
C1591 0.1/UBV
C1592 0.1/UBV
C1593 0.1/UBV
C1597
0.1/UBV
C1594
0.1/UBV
C1598
0.1/UBV
C1600
0.1/UBV
A-12V
IC1588
XC62DN5002PL
C1619
1/UBN
C1620
0.1/UBV
C1621
6V47
YC_COUT2
R1606
75/RE
R1620
2200/RE7
C1610
27P/UV
YC_COUT2
R1607
75/RE
R1621
2200/RE7
C1611
27P/UV
YC_COUT1
R1608
75/RE
R1622
2200/RE7
C1612
27P/UV
VOUT2
R1609
75/RE
R1623
2200/RE7
C1613
27P/UV
009:11D
VOUT1
R1610
75/RE
R1624
2200/RE7
C1614
27P/UV
009:12D
AUXOUT
R1611
75/RE
R1625
2200/RE7
C1615
27P/UV
REF
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
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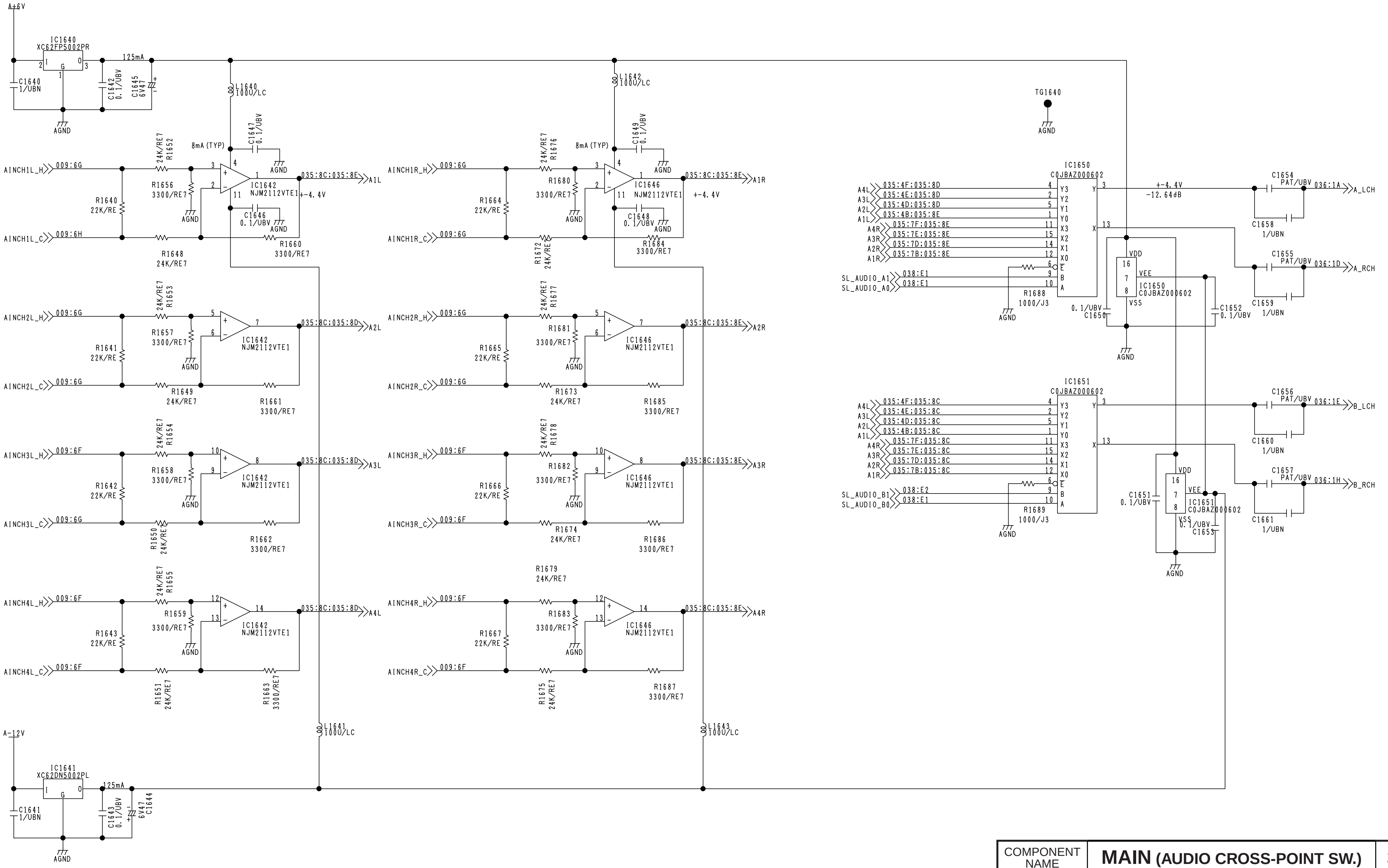
COMPONENT NAME	**MAIN (OUTPUT BEFFERS (VIDEO))**	34/41
CIRCUIT BOARD NO.		DRAWING NO.
VEP66448A		KR6U97 (34/41) (1)
		SCM036


A+6V
IC1640
XC62FP5002PR
125mA
C1640
1/UBN
C1642
0.1/UBV
C1645
6V47
AGND
L1640
100U/LC
L1642
100U/LC
TG1640
8mA (TYP)
C1647
0.1/UBV
C1649
0.1/UBV
AINCH1L_H
AINCH1L_C
AINCH2L_H
AINCH2L_C
AINCH3L_H
AINCH3L_C
AINCH4L_H
AINCH4L_C
AINCH1R_H
AINCH1R_C
AINCH2R_H
AINCH2R_C
AINCH3R_H
AINCH3R_C
AINCH4R_H
AINCH4R_C
IC1642
NJM2112VTE1
IC1646
NJM2112VTE1
+-4.4V
A1L
A2L
A3L
A4L
A1R
A2R
A3R
A4R
035:8C:035:8D
035:8C:035:8E
IC1650
C0JBAZ000602
IC1651
C0JBAZ000602
+-4.4V
-12.64dB
C1654
PAT/UBV
036:1A
A_LCH
C1655
036:1D
A_RCH
C1656
036:1E
B_LCH
C1657
036:1H
B_RCH
C1658
C1659
C1660
C1661
1/UBN
SL_AUDIO_A1
SL_AUDIO_A0
SL_AUDIO_B1
SL_AUDIO_B0
038:E1
038:E2
R1688
1000/J3
R1689
1000/J3
C1650
C1651
C1652
C1653
0.1/UBV
VDD
VEE
VSS
A-12V
IC1641
XC62DN5002PL
C1641
1/UBN
C1643
0.1/UBV
C1644
6V47
L1641
100U/LC
L1643
100U/LC
A
B
C
D
E
F
G
H
I
J
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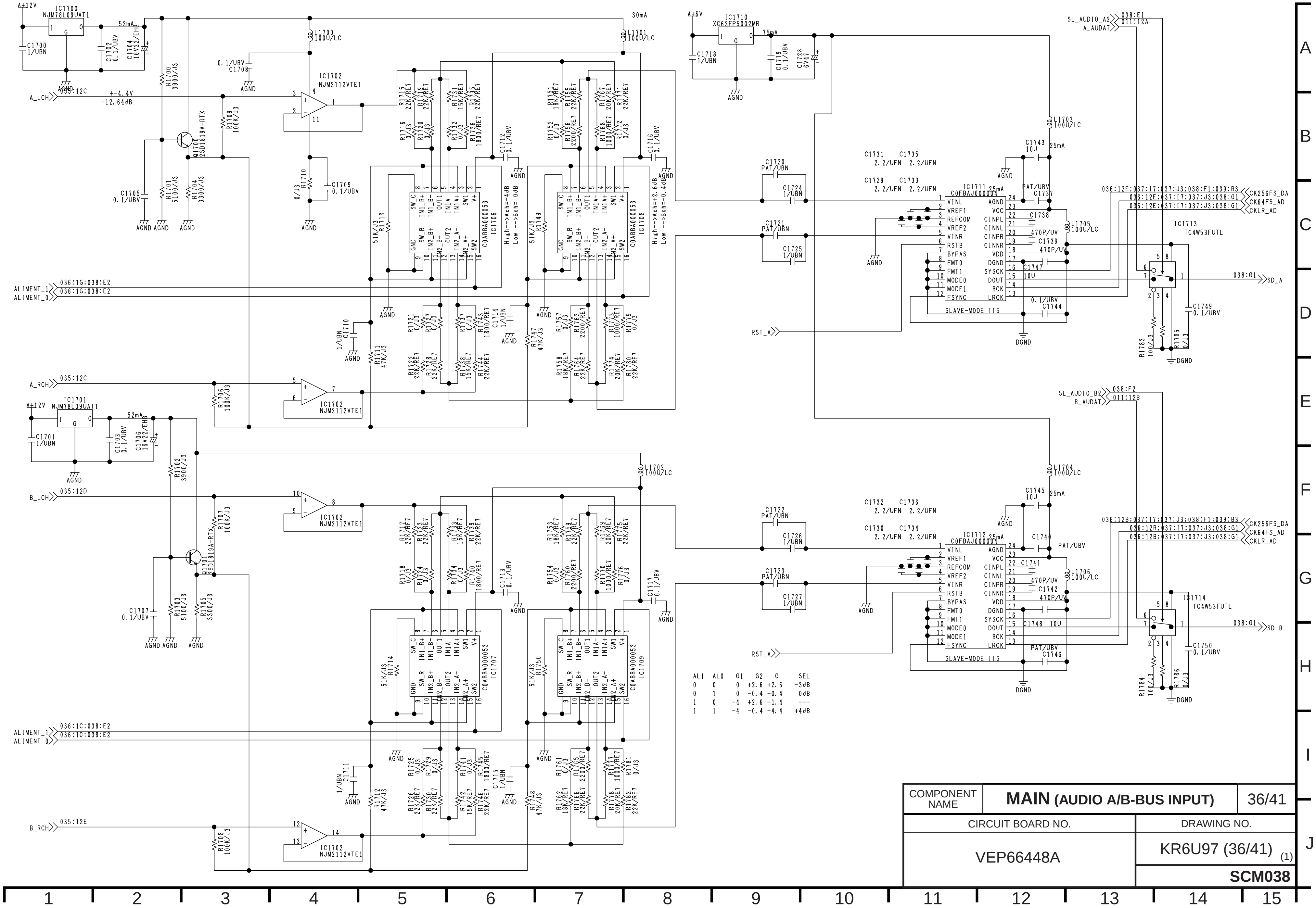
COMPONENT NAME	**MAIN** **(AUDIO CROSS-POINT SW.)**	35/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (35/41) (1)	
	SCM037	


A+12V
IC1700
NJM78L09UAT1
52mA
C1700
1/UBN
C1702
0.1/UBV
C1704
16V22/EHB
AGND
035:12C
A_LCH
+-4.4V
-12.64dB
R1700
3900/J3
Q1700
2SD1819A-RTX
R1709
100K/J3
R1701
5100/J3
R1704
3300/J3
C1705
0.1/UBV
L1700
100U/LC
0.1/UBV
C1708
IC1702
NJM2112VTE1
R1710
0/J3
C1709
0.1/UBV
30mA
L1701
100U/LC
IC1706
C0ABBA000053
IC1708
C0ABBA000053
SW_C
IN1_B+
IN1_B-
OUT1
IN1A-
IN1A+
SW1
V+
GND
SW_R
IN2_B+
IN2_B-
OUT2
IN2_A-
IN2_A+
SW2
High-->Ach=-4dB
Low -->Bch= 0dB
High-->Ach=+2.6dB
Low -->Bch=-0.4dB
C1712
0.1/UBV
C1716
0.1/UBV
51K/J3
R1713
R1749
036:1G:038:E2
ALIMENT_1
ALIMENT_0
C1710
1/UBN
R1711
47K/J3
C1714
1/UBN
R1747
47K/J3
035:12C
A_RCH
R1706
100K/J3
IC1701
NJM78L09UAT1
C1701
1/UBN
C1703
0.1/UBV
C1706
16V22/EHB
R1702
3900/J3
035:12D
B_LCH
R1707
100K/J3
Q1701
2SD1819A-RTX
C1707
0.1/UBV
R1703
5100/J3
R1705
3300/J3
L1702
100U/LC
C1713
0.1/UBV
C1717
0.1/UBV
IC1707
C0ABBA000053
IC1709
C0ABBA000053
R1714
R1750
036:1C:038:E2
C1711
1/UBN
R1712
47K/J3
C1715
1/UBN
R1748
47K/J3
035:12E
B_RCH
R1708
100K/J3
A+6V
IC1710
XC62FP5002MR
75mA
C1718
1/UBN
C1719
0.1/UBV
C1728
6V47
C1720
PAT/UBN
C1724
1/UBN
C1721
PAT/UBN
C1725
1/UBN
RST_A
C1731
C1735
C1729
C1733
2.2/UFN
IC1711
C0FBAJ000004
25mA
VINL
VREF1
REFCOM
VREF2
VINR
RSTB
BYPAS
FMT0
FMT1
MODE0
MODE1
FSYNC
AGND
VCC
CINPL
CINNL
CINPR
CINNR
VDD
DGND
SYSCK
DOUT
BCK
LRCK
SLAVE-MODE IIS
L1703
100U/LC
C1743
10U
C1737
PAT/UBV
C1738
470P/UV
C1739
C1747
10U
C1744
0.1/UBV
L1705
100U/LC
DGND
SL_AUDIO_A2
A_AUDAT
038:E1
011:12A
036:12E:037:17:037:J3:038:F1:039:B3
036:12E:037:17:037:J3:038:G1
CK256FS_DA
CK64FS_AD
CKLR_AD
IC1713
TC4W53FUTL
038:G1
SD_A
C1749
0.1/UBV
R1783
100/J3
R1785
0/J3
C1722
PAT/UBN
C1726
1/UBN
C1723
PAT/UBN
C1727
1/UBN
C1732
C1736
C1730
C1734
IC1712
C0FBAJ000004
L1704
100U/LC
C1745
10U
C1740
PAT/UBV
C1741
C1742
470P/UV
C1748
10U
C1746
PAT/UBV
L1706
100U/LC
RST_A
SL_AUDIO_B2
B_AUDAT
038:E2
011:12B
036:12B:037:17:037:J3:038:F1:039:B3
036:12B:037:17:037:J3:038:G1
IC1714
TC4W53FUTL
038:G1
SD_B
C1750
0.1/UBV
R1784
100/J3
R1786
0/J3
A
B
C
D
E
F
G
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I
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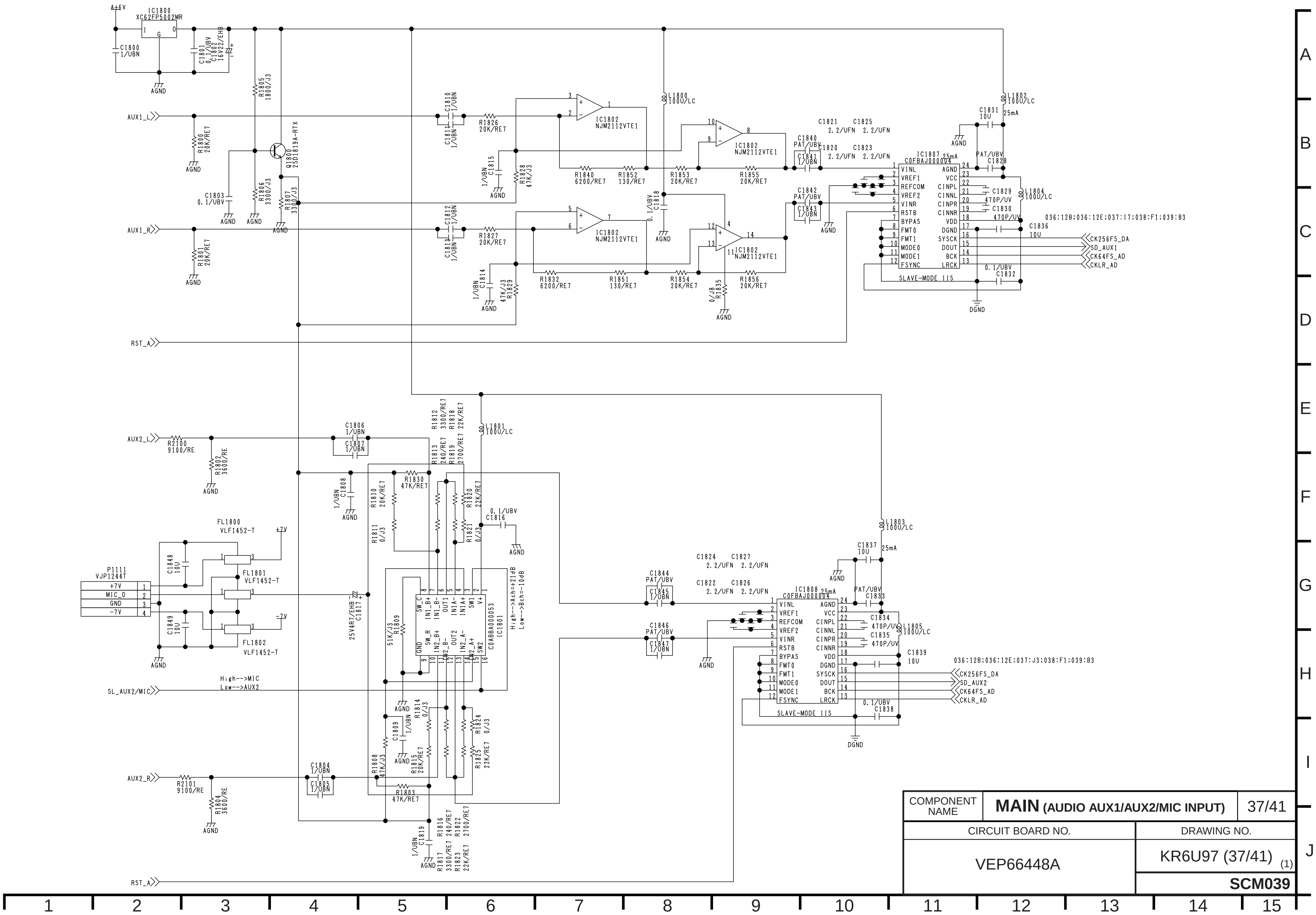
AL1	AL0	G1	G2	G	SEL
0	0	0	+2.6	+2.6	-3dB
0	1	0	-0.4	-0.4	0dB
1	0	-4	+2.6	-1.4	---
1	1	-4	-0.4	-4.4	+4dB

COMPONENT NAME	**MAIN** (AUDIO A/B-BUS INPUT)	36/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (36/41) (1)	
	SCM038	


A+5V
IC1800
XC62FP5002MR
C1800
1/UBN
C1801
0.1/UBV
C1802
16V22/EHB
AGND
R1805
1800/J3
Q1800
2SD1819A-RTX
AUX1_L
R1800
20K/RE7
C1803
0.1/UBV
R1806
3300/J3
R1807
3300/J3
AUX1_R
R1801
20K/RE7
C1810
1/UBN
C1811
1/UBN
R1826
20K/RE7
C1815
1/UBN
R1828
47K/J3
IC1802
NJM2112VTE1
R1840
6200/RE7
R1852
130/RE7
R1853
20K/RE7
R1855
20K/RE7
L1800
100U/LC
C1818
0.1/UBV
C1812
1/UBN
C1813
1/UBN
R1827
20K/RE7
C1814
1/UBN
R1829
47K/J3
R1832
6200/RE7
R1851
130/RE7
R1854
20K/RE7
R1856
20K/RE7
R1835
0/J3
C1821
2.2/UFN
C1825
2.2/UFN
C1820
2.2/UFN
C1823
2.2/UFN
C1840
PAT/UBV
C1841
1/UBN
C1842
PAT/UBV
C1843
1/UBN
IC1807
C0FBAJ000004
25mA
VINL
VREF1
REFCOM
VREF2
VINR
RSTB
BYPAS
FMT0
FMT1
MODE0
MODE1
FSYNC
AGND
VCC
CINPL
CINNL
CINPR
CINNR
VDD
DGND
SYSCK
DOUT
BCK
LRCK
L1802
100U/LC
C1831
10U
PAT/UBV
C1828
C1829
470P/UV
C1830
470P/UV
L1804
100U/LC
C1836
10U
036:12B;036:12E;037:I7;038:F1;039:B3
CK256FS_DA
SD_AUX1
CK64FS_AD
CKLR_AD
0.1/UBV
C1832
SLAVE-MODE IIS
DGND
RST_A
L1801
100U/LC
AUX2_L
R2100
9100/RE
R1802
3600/RE
C1806
1/UBN
C1807
1/UBN
R1812
3300/RE7
R1818
22K/RE7
R1813
240/RE7
R1819
2700/RE7
C1808
1/UBN
R1810
20K/RE7
R1830
47K/RE7
R1820
22K/RE7
R1811
0/J3
R1821
0/J3
C1816
0.1/UBV
FL1800
VLF1452-T
+7V
P1111
VJP1244T
+7V
MIC_O
GND
-7V
C1848
10U
FL1801
VLF1452-T
C1849
10U
FL1802
VLF1452-T
-7V
C1817
25V4R7/EHB
R1809
51K/J3
SW_C
IN1_B+
IN1_B-
OUT1
IN1A-
IN1A+
SW1
V+
GND
SW_R
IN2_B+
IN2_B-
OUT2
IN2_A-
IN2_A+
SW2
C0ABBA000053
IC1801
High-->Ach=+21dB
Low-->Bch=-10dB
SL_AUX2/MIC
High-->MIC
Low-->AUX2
R1814
0/J3
C1809
1/UBN
R1824
0/J3
R1808
47K/J3
R1815
20K/RE7
R1825
22K/RE7
AUX2_R
R2101
9100/RE
R1804
3600/RE
C1804
1/UBN
C1805
1/UBN
R1803
47K/RE7
C1819
1/UBN
R1816
240/RE7
R1822
2700/RE7
R1817
3300/RE7
R1823
22K/RE7
L1803
100U/LC
C1837
10U
C1824
2.2/UFN
C1827
2.2/UFN
C1822
2.2/UFN
C1826
2.2/UFN
C1844
PAT/UBV
C1845
1/UBN
C1846
PAT/UBV
C1847
1/UBN
IC1808
C0FBAJ000004
C1833
C1834
470P/UV
C1835
470P/UV
L1805
100U/LC
C1839
10U
036:12B;036:12E;037:J3;038:F1;039:B3
CK256FS_DA
SD_AUX2
CK64FS_AD
CKLR_AD
C1838
A
B
C
D
E
F
G
H
I
J
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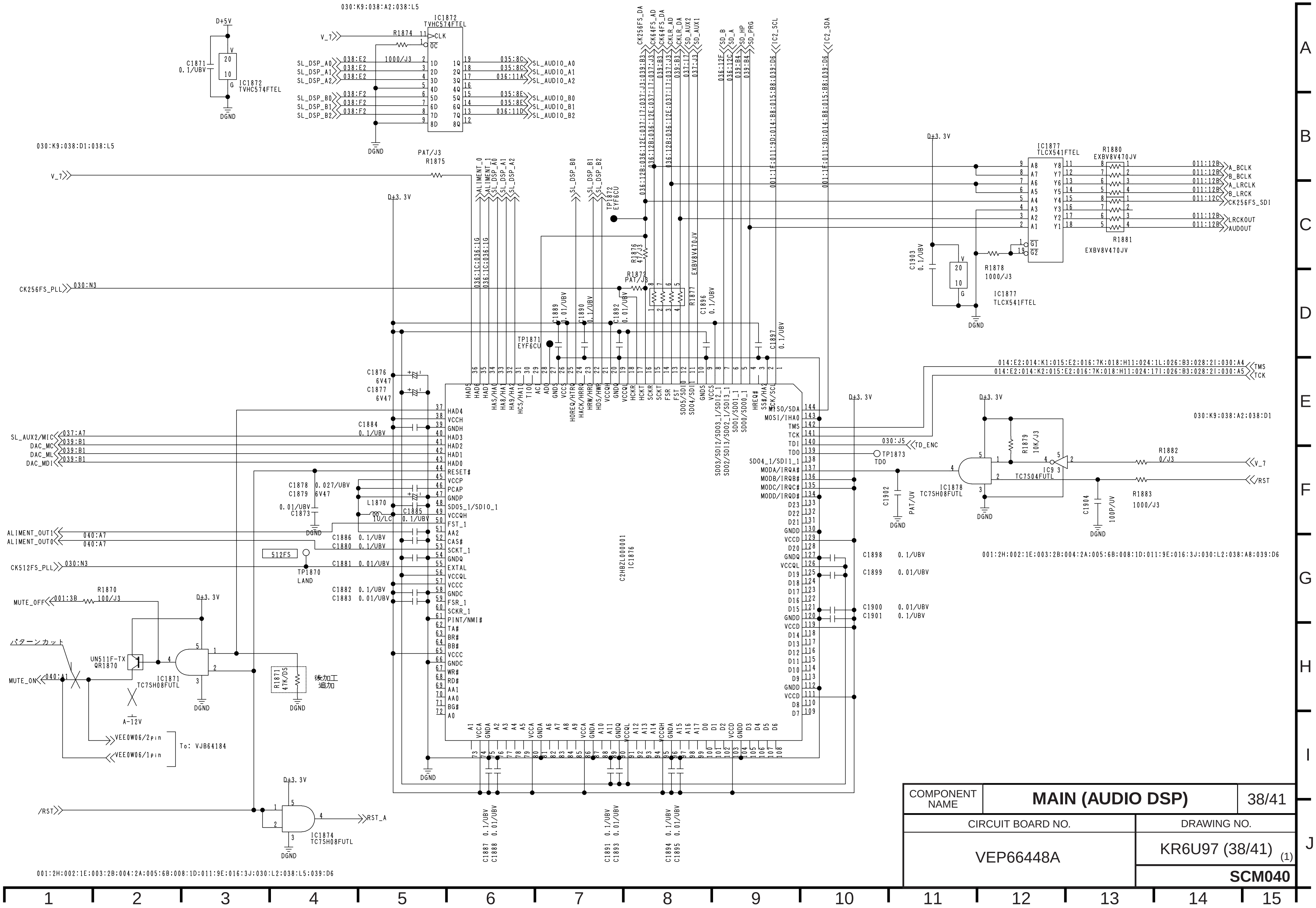
COMPONENT NAME	**MAIN** (AUDIO AUX1/AUX2/MIC INPUT)	37/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (37/41) (1) SCM039	


030:K9:038:A2:038:L5
D+5V
C1871 0.1/UBV
IC1872 TVHC574FTEL
DGND
IC1872 TVHC574FTEL
V_7
R1874
1000/J3
SL_DSP_A0
SL_DSP_A1
SL_DSP_A2
SL_DSP_B0
SL_DSP_B1
SL_DSP_B2
SL_AUDIO_A0
SL_AUDIO_A1
SL_AUDIO_A2
SL_AUDIO_B0
SL_AUDIO_B1
SL_AUDIO_B2
030:K9:038:D1:038:L5
PAT/J3
R1875
D+3.3V
ALIMENT_0
ALIMENT_1
SL_DSP_B0
SL_DSP_B1
SL_DSP_B2
TP1872 EYF6CU
CK256FS_DA
CK64FS_AD
CK64FS_DA
CKLR_AD
CKLR_DA
SD_AUX2
SD_AUX1
SD_B
SD_A
SD_HP
SD_PRG
IIC2_SCL
IIC2_SDA
R1876 47/J3
R1873 PAT/J3
R1877 EXBV8V470JV
CK256FS_PLL
030:N3
C1889 0.01/UBV
C1890 0.1/UBV
C1892 0.01/UBV
C1896 0.1/UBV
C1897 0.1/UBV
TP1871 EYF6CU
IC1877 TLCX541FTEL
R1880 EXBV8V470JV
R1881 EXBV8V470JV
C1903 0.1/UBV
R1878 1000/J3
A_BCLK
B_BCLK
A_LRCLK
B_LRCK
CK256FS_SDI
LRCKOUT
AUDOUT
TMS
TCK
C1876 6V47
C1877 6V47
C1884 0.1/UBV
SL_AUX2/MIC
DAC_MC
DAC_ML
DAC_MDI
C1878 0.027/UBV
C1879 6V47
L1870 10/LC
C1873 0.01/UBV
C1885 0.1/UBV
ALIMENT_OUT1
ALIMENT_OUT0
040:A7
C1886 0.1/UBV
C1880 0.1/UBV
CK512FS_PLL
512FS
TP1870 LAND
C1881 0.01/UBV
C1882 0.1/UBV
C1883 0.01/UBV
C2HBZL000001 IC1876
TD_ENC
TP1873 TDO
C1898 0.1/UBV
C1899 0.01/UBV
C1900 0.01/UBV
C1901 0.1/UBV
C1902 PAT/UV
IC1878 TC7SH08FUTL
R1879 10K/J3
IC9 TC7S04FUTL
R1882 0/J3
R1883 1000/J3
C1904 100P/UV
/RST
030:K9:038:A2:038:D1
001:2H:002:1E:003:2B:004:2A:005:6B:008:1D:011:9E:016:3J:030:L2:038:A8:039:D6
MUTE_OFF
R1870 100/J3
パターンカット
UN511F-TX QR1870
IC1871 TC7SH08FUTL
A-12V
MUTE_ON
VEE0W06/2pin
VEE0W06/1pin
To: VJB64184
R1871 47K/DS
後加工追加
C1887 0.1/UBV
C1888 0.01/UBV
C1891 0.1/UBV
C1893 0.01/UBV
C1894 0.1/UBV
C1895 0.01/UBV
IC1874 TC7SH08FUTL
RST_A
001:2H:002:1E:003:2B:004:2A:005:6B:008:1D:011:9E:016:3J:030:L2:038:L5:039:D6
A
B
C
D
E
F
G
H
I
J
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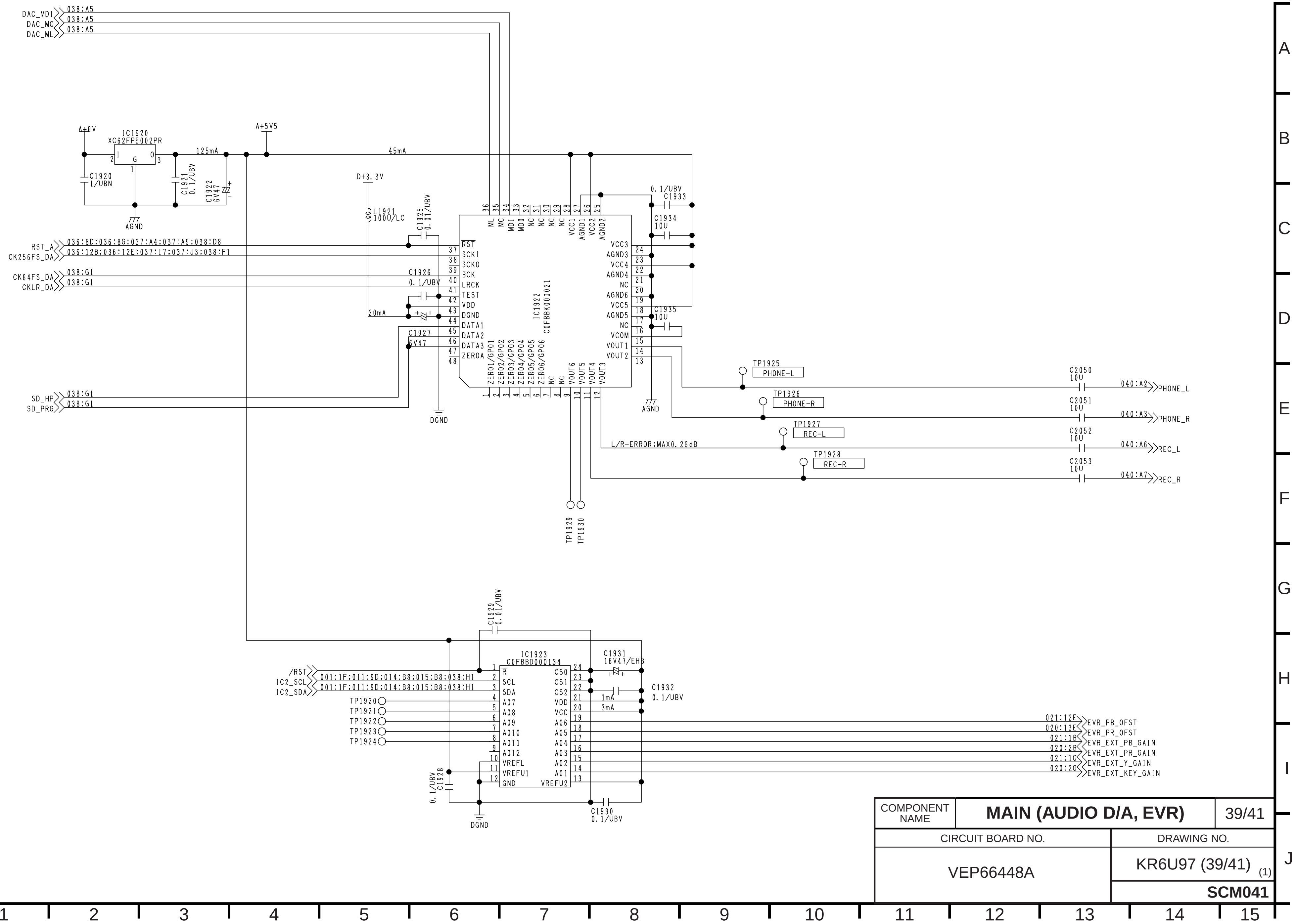
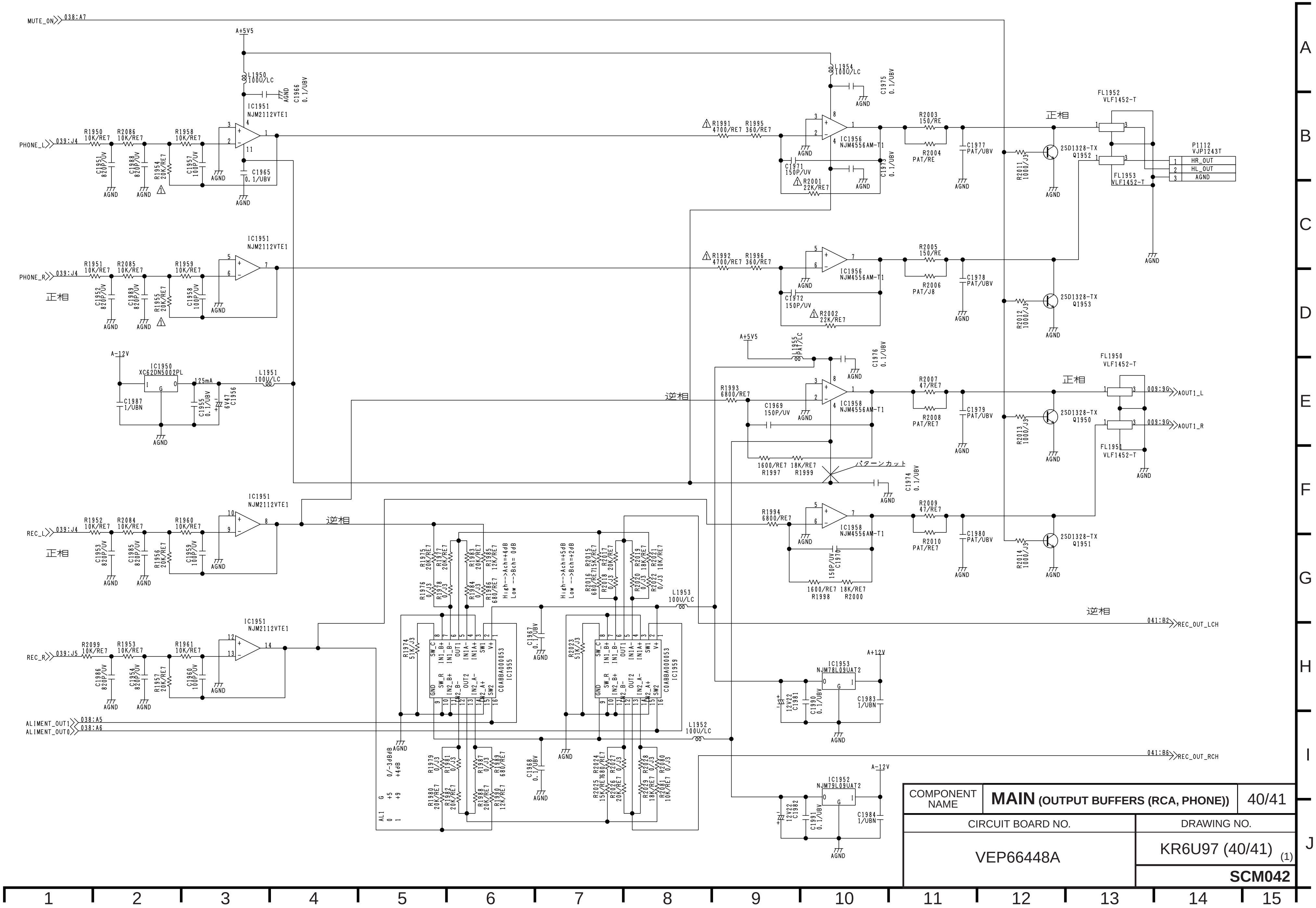
COMPONENT NAME	MAIN (AUDIO DSP)	38/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (38/41) (1)	
	SCM040	

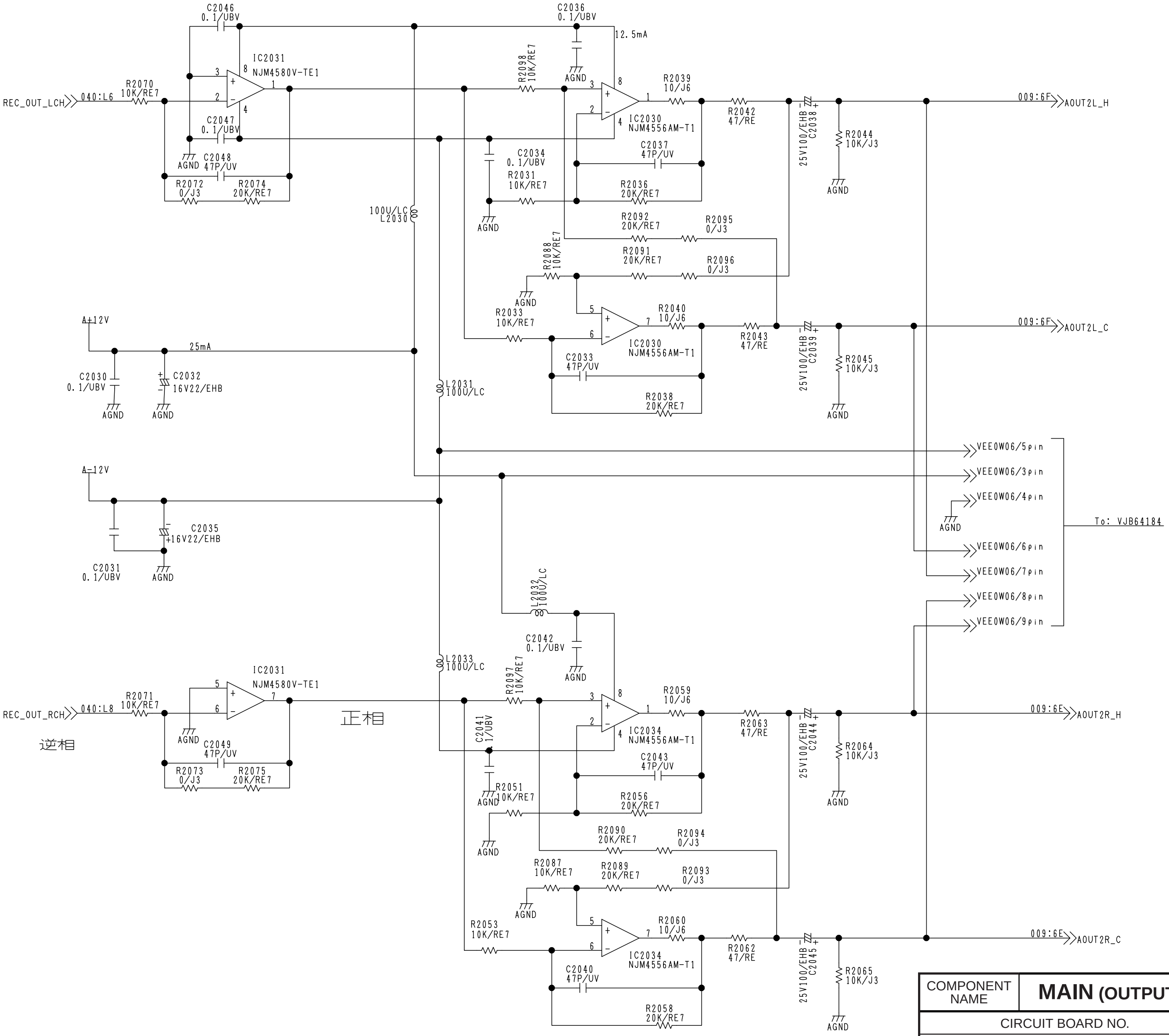

DAC_MDI 038:A5
DAC_MC 038:A5
DAC_ML 038:A5
A+6V
IC1920
XC62FP5002PR
I G O
2 1 3
C1920
1/UBN
C1921
0.1/UBV
C1922
6V47
AGND
125mA
A+5V5
45mA
D+3.3V
L1921
100U/LC
C1925
0.01/UBV
RST_A 036:8D:036:8G:037:A4:037:A9:038:D8
CK256FS_DA 036:12B:036:12E:037:17:037:J3:038:F1
CK64FS_DA 038:G1
CKLR_DA 038:G1
C1926
0.1/UBV
20mA
C1927
6V47
SD_HP 038:G1
SD_PRG 038:G1
DGND
IC1922
C0FBBK000021
ML MC MDI MD0 NC NC NC NC VCC1 AGND1 VCC2 AGND2
36 35 34 33 32 31 30 29 28 27 26 25
RST 37 SCKI 38 SCKO 39 BCK 40 LRCK 41 TEST 42 VDD 43 DGND 44 DATA1 45 DATA2 46 DATA3 47 ZEROA 48
VCC3 24 AGND3 23 VCC4 22 AGND4 21 NC 20 AGND6 19 VCC5 18 AGND5 17 NC 16 VCOM 15 VOUT1 14 VOUT2 13
ZERO1/GPO1 ZERO2/GPO2 ZERO3/GPO3 ZERO4/GPO4 ZERO5/GPO5 ZERO6/GPO6 NC NC VOUT6 VOUT5 VOUT4 VOUT3
1 2 3 4 5 6 7 8 9 10 11 12
0.1/UBV
C1933
C1934
10U
C1935
10U
AGND
TP1925 PHONE-L
TP1926 PHONE-R
TP1927 REC-L
TP1928 REC-R
L/R-ERROR;MAX0.26dB
C2050 10U 040:A2 PHONE_L
C2051 10U 040:A3 PHONE_R
C2052 10U 040:A6 REC_L
C2053 10U 040:A7 REC_R
TP1929
TP1930
C1929
0.01/UBV
IC1923
C0FBBD000134
/RST
IC2_SCL 001:1F:011:9D:014:B8:015:B8:038:H1
IC2_SDA 001:1F:011:9D:014:B8:015:B8:038:H1
1 R 2 SCL 3 SDA 4 A07 5 A08 6 A09 7 A010 8 A011 9 A012 10 VREFL 11 VREFU1 12 GND
24 CS0 23 CS1 22 CS2 21 VDD 20 VCC 19 A06 18 A05 17 A04 16 A03 15 A02 14 A01 13 VREFU2
TP1920
TP1921
TP1922
TP1923
TP1924
C1931
16V47/EHB
C1932
0.1/UBV
1mA
3mA
021:12E EVR_PB_OFST
020:13E EVR_PR_OFST
021:1B EVR_EXT_PB_GAIN
020:2B EVR_EXT_PR_GAIN
021:1G EVR_EXT_Y_GAIN
020:2G EVR_EXT_KEY_GAIN
C1928
0.1/UBV
DGND
C1930
0.1/UBV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	MAIN (AUDIO D/A, EVR)	39/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (39/41) (1)	
	SCM041	



MUTE_ON 038:A7
A+5V5
L1950 100U/LC
C1966 0.1/UBV
AGND
IC1951 NJM2112VTE1
PHONE_L 039:J4
R1950 10K/RE7
R2086 10K/RE7
R1958 10K/RE7
C1951 820P/UV
C1988 820P/UV
R1954 20K/RE7
C1957 100P/UV
C1965 0.1/UBV
PHONE_R 039:J4
R1951 10K/RE7
R2085 10K/RE7
R1959 10K/RE7
C1952 820P/UV
C1989 820P/UV
R1955 20K/RE7
C1958 100P/UV
正相
A-12V
IC1950 XC62DN5002PL
125mA
L1951 100U/LC
C1987 1/UBN
C1955 0.1/UBV
C1956 6V47
REC_L 039:J4
R1952 10K/RE7
R2084 10K/RE7
R1960 10K/RE7
C1953 820P/UV
C1985 820P/UV
R1956 20K/RE7
C1959 100P/UV
逆相
REC_R 039:J5
R2099 10K/RE7
R1953 10K/RE7
R1961 10K/RE7
C1986 820P/UV
C1954 820P/UV
R1957 20K/RE7
C1960 100P/UV
ALIMENT_OUT1 038:A5
ALIMENT_OUT0 038:A6
L1954 100U/LC
C1975 0.1/UBV
R1991 4700/RE7
R1995 360/RE7
IC1956 NJM4556AM-T1
C1971 150P/UV
R2001 22K/RE7
C1973 0.1/UBV
R2003 150/RE
R2004 PAT/RE
C1977 PAT/UBV
R1992 4700/RE7
R1996 360/RE7
C1972 150P/UV
R2002 22K/RE7
R2005 150/RE
R2006 PAT/J8
C1978 PAT/UBV
2SD1328-TX Q1952
2SD1328-TX Q1953
R2011 1000/J3
R2012 1000/J3
FL1952 VLF1452-T
FL1953 VLF1452-T
P1112 VJP1243T
HR_OUT
HL_OUT
AGND
L1955 PAT/LC
C1976 0.1/UBV
R1993 6800/RE7
C1969 150P/UV
IC1958 NJM4556AM-T1
R2007 47/RE7
R2008 PAT/RE7
C1979 PAT/UBV
1600/RE7 18K/RE7
R1997 R1999
パターンカット
C1974 0.1/UBV
FL1950 VLF1452-T
FL1951 VLF1452-T
009:9G AOUT1_L
009:9G AOUT1_R
2SD1328-TX Q1950
2SD1328-TX Q1951
R2013 1000/J3
R2014 1000/J3
R1994 6800/RE7
C1970 150P/UV
R2009 47/RE7
R2010 PAT/RE7
C1980 PAT/UBV
1600/RE7 18K/RE7
R1998 R2000
R1975 20K/RE7
R1977 20K/RE7
R1976 0/J3
R1978 0/J3
R1983 20K/RE7
R1984 0/J3
R1985 12K/RE7
R1986 680/RE7
High-->Ach=+4dB
Low -->Bch= 0dB
R1974 51K/J3
IC1955 C0ABBA000053
C1967 0.1/UBV
High-->Ach=+5dB
Low -->Bch=+2dB
R2015 15K/RE7
R2016 680/RE7
R2017 20K/RE7
R2018 0/J3
R2019 18K/RE7
R2020 0/J3
R2021 10K/RE7
R2022 0/J3
R2023 51K/J3
IC1959 C0ABBA000053
L1953 100U/LC
041:B2 REC_OUT_LCH
A+12V
IC1953 NJM78L09UAT2
12V22 C1981
C1990 0.1/UBV
C1983 1/UBN
L1952 100U/LC
041:B6 REC_OUT_RCH
C1968 0.1/UBV
R1979 0/J3
R1980 20K/RE7
R1981 0/J3
R1982 20K/RE7
R1987 0/J3
R1988 20K/RE7
R1989 680/RE7
R1990 12K/RE7
R2024 680/RE7
R2025 15K/RE7
R2026 20K/RE7
R2027 0/J3
R2028 0/J3
R2029 18K/RE7
R2030 0/J3
R2031 10K/RE7
0/-3dB
+4dB
AL1 G +5 +9
0 0 1
A-12V
IC1952 NJM79L09UAT2
12V22 C1982
C1991 0.1/UBV
C1984 1/UBN
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	**MAIN** **(OUTPUT BUFFERS (RCA, PHONE))**	40/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (40/41) (1)	
	SCM042	


C2046
0.1/UBV
IC2031
NJM4580V-TE1
R2070
10K/RE7
REC_OUT_LCH
040:L6
C2047
0.1/UBV
C2048
47P/UV
AGND
R2072
0/J3
R2074
20K/RE7
C2036
0.1/UBV
12.5mA
R2098
10K/RE7
IC2030
NJM4556AM-T1
R2039
10/J6
R2042
47/RE
C2038
25V100/EHB
R2044
10K/J3
009:6F
AOUT2L_H
C2034
0.1/UBV
R2031
10K/RE7
C2037
47P/UV
R2036
20K/RE7
100U/LC
L2030
R2092
20K/RE7
R2095
0/J3
R2088
10K/RE7
R2091
20K/RE7
R2096
0/J3
R2033
10K/RE7
R2040
10/J6
R2043
47/RE
C2039
25V100/EHB
R2045
10K/J3
AOUT2L_C
C2033
47P/UV
R2038
20K/RE7
A+12V
25mA
C2030
0.1/UBV
C2032
16V22/EHB
L2031
100U/LC
VEE0W06/5pin
VEE0W06/3pin
VEE0W06/4pin
VEE0W06/6pin
VEE0W06/7pin
VEE0W06/8pin
VEE0W06/9pin
To: VJB64184
A-12V
C2035
16V22/EHB
C2031
0.1/UBV
L2032
100U/LC
C2042
0.1/UBV
L2033
100U/LC
R2097
10K/RE7
R2071
10K/RE7
REC_OUT_RCH
040:L8
正相
逆相
C2049
47P/UV
R2073
0/J3
R2075
20K/RE7
C2041
1/UBV
IC2034
NJM4556AM-T1
R2059
10/J6
R2063
47/RE
C2044
25V100/EHB
R2064
10K/J3
009:6E
AOUT2R_H
C2043
47P/UV
R2051
10K/RE7
R2056
20K/RE7
R2090
20K/RE7
R2094
0/J3
R2087
10K/RE7
R2089
20K/RE7
R2093
0/J3
R2053
10K/RE7
R2060
10/J6
R2062
47/RE
C2045
25V100/EHB
R2065
10K/J3
AOUT2R_C
C2040
47P/UV
R2058
20K/RE7
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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14
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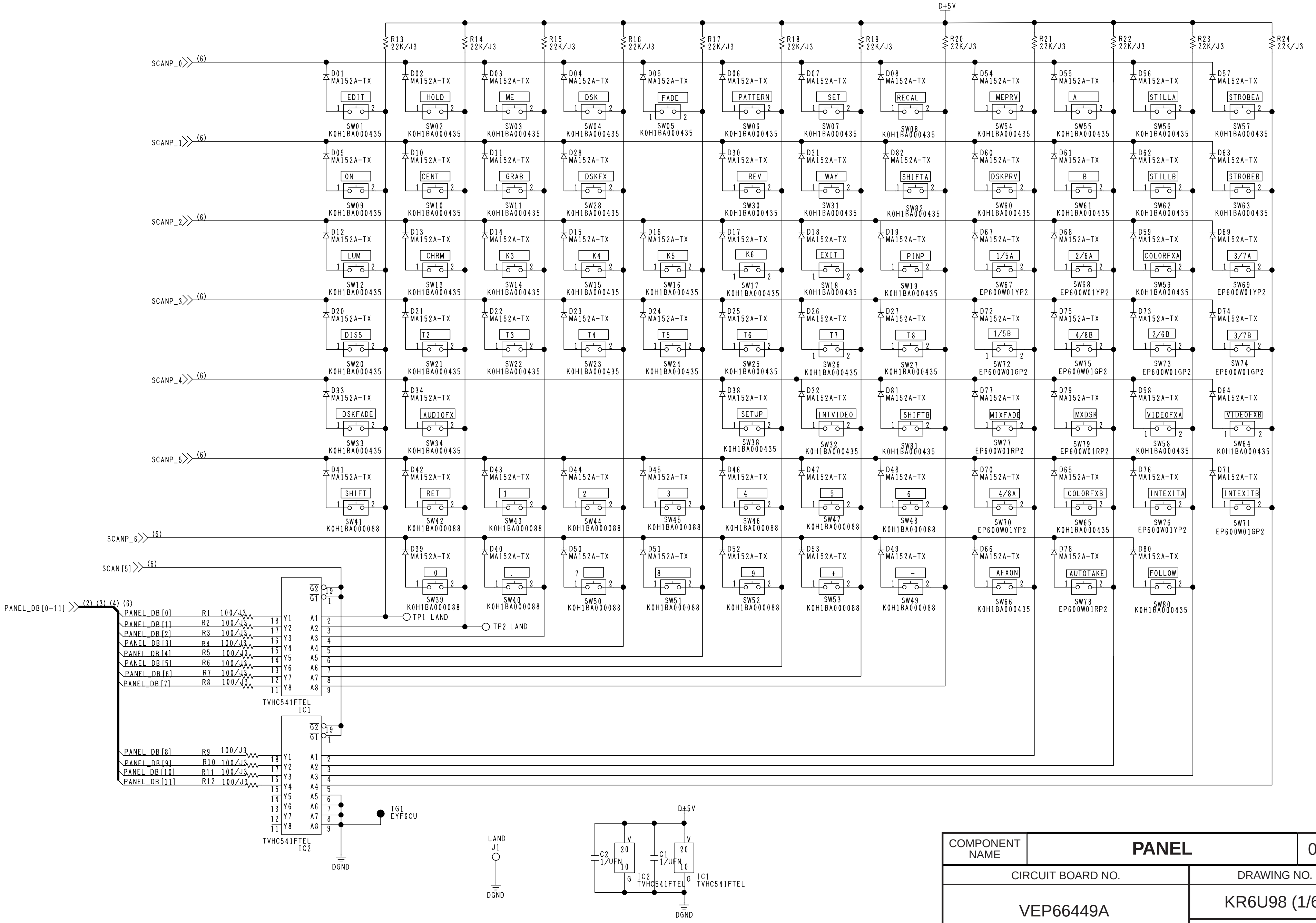
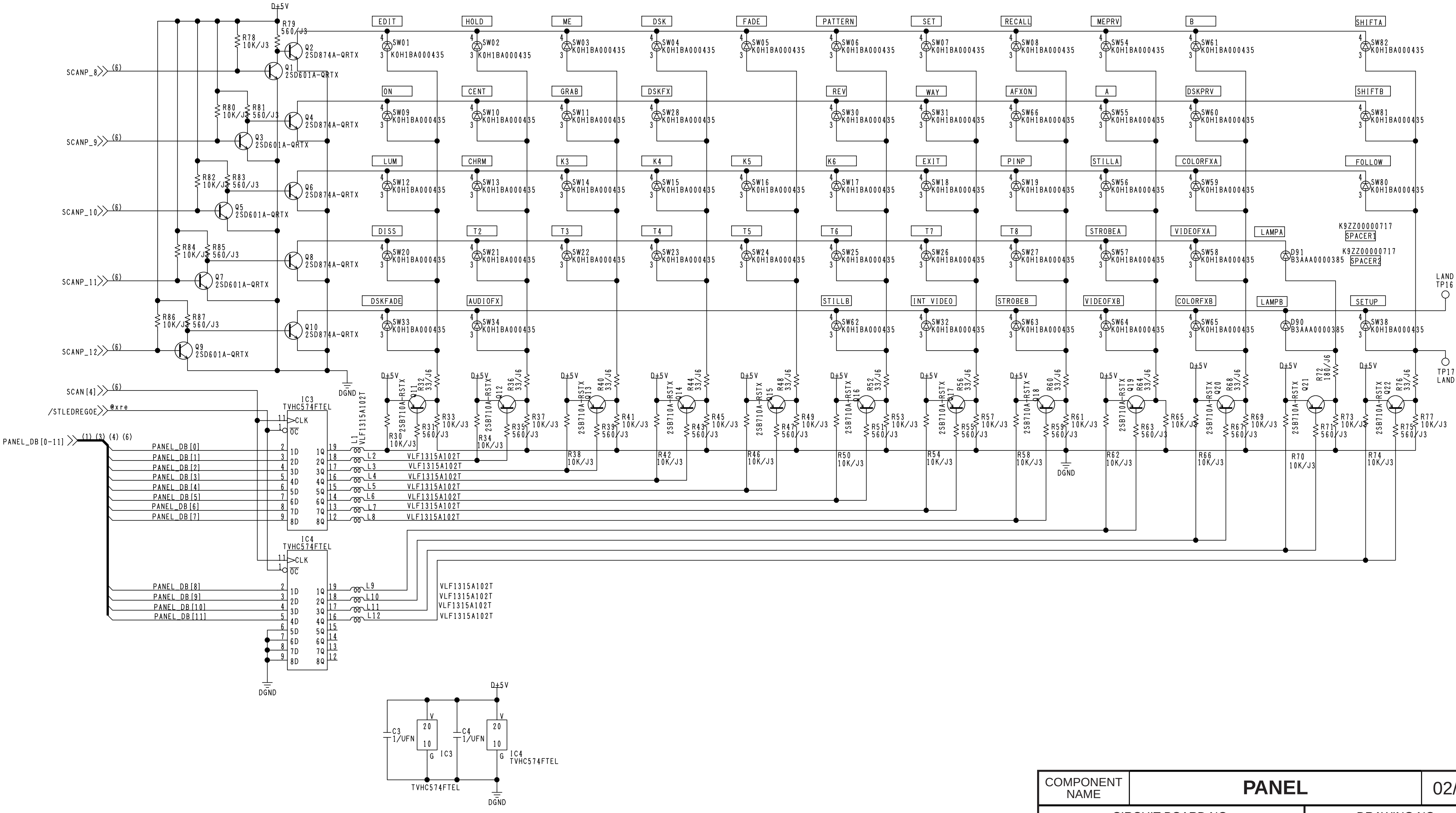
COMPONENT NAME	**MAIN** (OUTPUT BUFFERS (XLR))	41/41
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66448A	KR6U97 (41/41) (1)	
	SCM043	

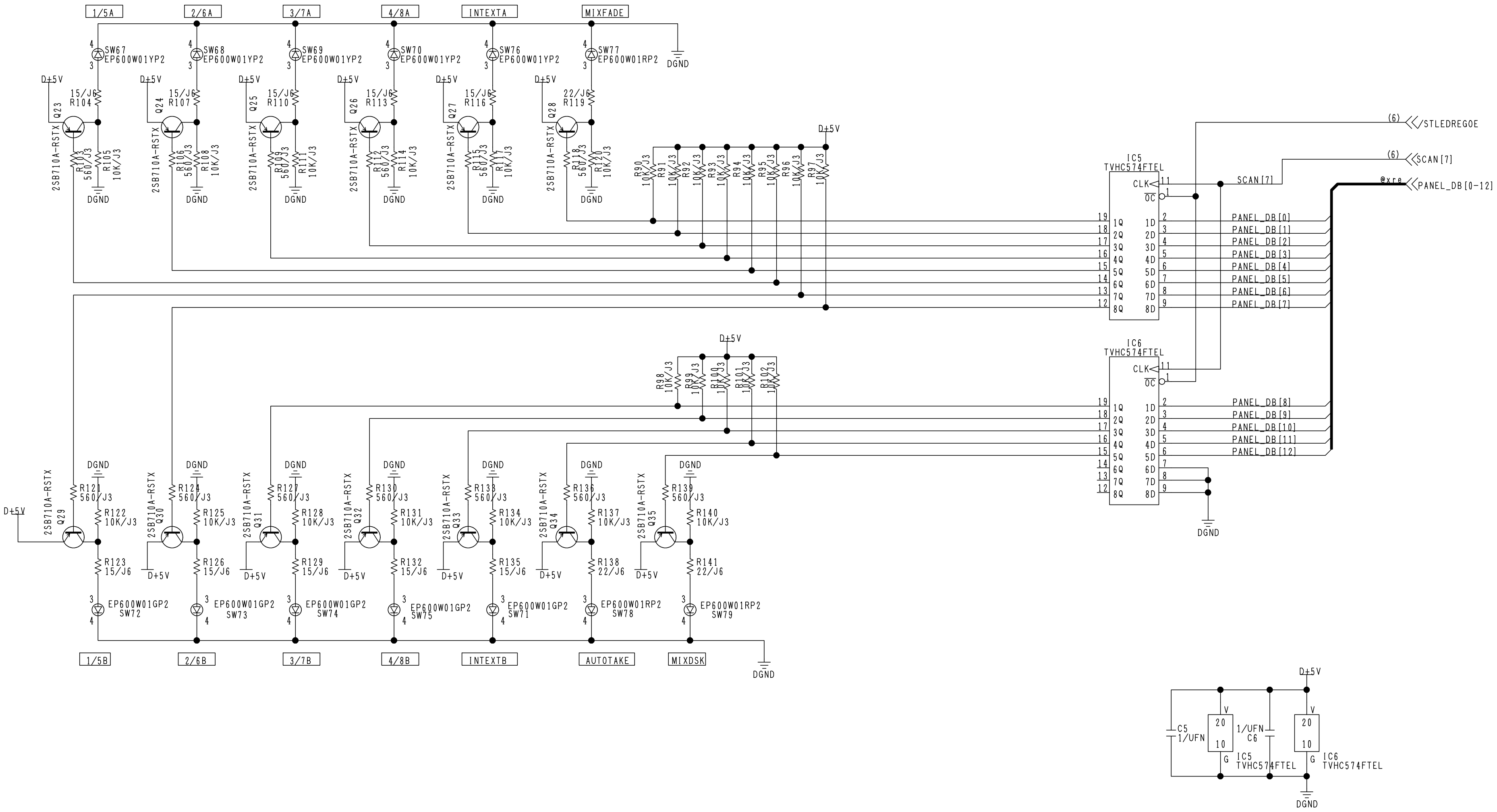

D+5V
R13 22K/J3
R14 22K/J3
R15 22K/J3
R16 22K/J3
R17 22K/J3
R18 22K/J3
R19 22K/J3
R20 22K/J3
R21 22K/J3
R22 22K/J3
R23 22K/J3
R24 22K/J3
SCANP_0 (6)
SCANP_1 (6)
SCANP_2 (6)
SCANP_3 (6)
SCANP_4 (6)
SCANP_5 (6)
SCANP_6 (6)
SCAN[5] (6)
MA152A-TX
EDIT
HOLD
ME
DSK
FADE
PATTERN
SET
RECAL
MEPRV
A
STILLA
STROBEA
ON
CENT
GRAB
DSKFX
REV
WAY
SHIFTA
DSKPRV
B
STILLB
STROBEB
LUM
CHRM
K3
K4
K5
K6
EXIT
PINP
1/5A
2/6A
COLORFXA
3/7A
DISS
T2
T3
T4
T5
T6
T7
T8
1/5B
4/8B
2/6B
3/7B
DSKFADE
AUDIOFX
SETUP
INTVIDEO
SHIFTB
MIXFADE
MXDSK
VIDEOFXA
VIDEOFXB
SHIFT
RET
1
2
3
4
5
6
4/8A
COLORFXB
INTEXITA
INTEXITB
0
.
7
8
9
+
-
AFXON
AUTOTAKE
FOLLOW
K0H1BA000435
K0H1BA000088
EP600W01YP2
EP600W01GP2
EP600W01RP2
PANEL_DB[0-11] (2) (3) (4) (6)
PANEL_DB[0]
PANEL_DB[1]
PANEL_DB[2]
PANEL_DB[3]
PANEL_DB[4]
PANEL_DB[5]
PANEL_DB[6]
PANEL_DB[7]
PANEL_DB[8]
PANEL_DB[9]
PANEL_DB[10]
PANEL_DB[11]
R1 100/J3
R2 100/J3
R3 100/J3
R4 100/J3
R5 100/J3
R6 100/J3
R7 100/J3
R8 100/J3
R9 100/J3
R10 100/J3
R11 100/J3
R12 100/J3
TVHC541FTEL IC1
TVHC541FTEL IC2
TP1 LAND
TP2 LAND
TG1 EYF6CU
DGND
LAND J1
C2 1/UFN
C1 1/UFN
IC2 TVHC541FTEL
IC1 TVHC541FTEL
D+5V
DGND

COMPONENT NAME	PANEL	01/06

CIRCUIT BOARD NO.	DRAWING NO.
VEP66449A	KR6U98 (1/6) (0)
	SCM044


D+5V
SCANP_8
SCANP_9
SCANP_10
SCANP_11
SCANP_12
SCAN[4]
/STLEDREGOE
PANEL_DB[0-11]
R78 10K/J3
R79 560/J3
Q1 2SD601A-QRTX
Q2 2SD874A-QRTX
R80 10K/J3
R81 560/J3
Q3 2SD601A-QRTX
Q4 2SD874A-QRTX
R82 10K/J3
R83 560/J3
Q5 2SD601A-QRTX
Q6 2SD874A-QRTX
R84 10K/J3
R85 560/J3
Q7 2SD601A-QRTX
Q8 2SD874A-QRTX
R86 10K/J3
R87 560/J3
Q9 2SD601A-QRTX
Q10 2SD874A-QRTX
DGND
EDIT
HOLD
ME
DSK
FADE
PATTERN
SET
RECALL
MEPRV
B
SHIFTA
ON
CENT
GRAB
DSKFX
REV
WAY
AFXON
A
DSKPRV
SHIFTB
LUM
CHRM
K3
K4
K5
K6
EXIT
PINP
STILLA
COLORFXA
FOLLOW
DISS
T2
T3
T4
T5
T6
T7
T8
STROBEA
VIDEOFXA
LAMPA
DSKFADE
AUDIOFX
STILLB
INT VIDEO
STROBEB
VIDEOFXB
COLORFXB
LAMPB
SETUP
K0H1BA000435
K9ZZ00000717
SPACER1
SPACER2
D91 B3AAA0000385
D90 B3AAA0000385
LAND TP16
TP17 LAND
2SB710A-RSTX
33/J6
10K/J3
560/J3
180/J6
IC3 TVHC574FTEL
IC4 TVHC574FTEL
CLK
OC
L1 VLF1315A102T
VLF1315A102T
C3 1/UFN
C4 1/UFN

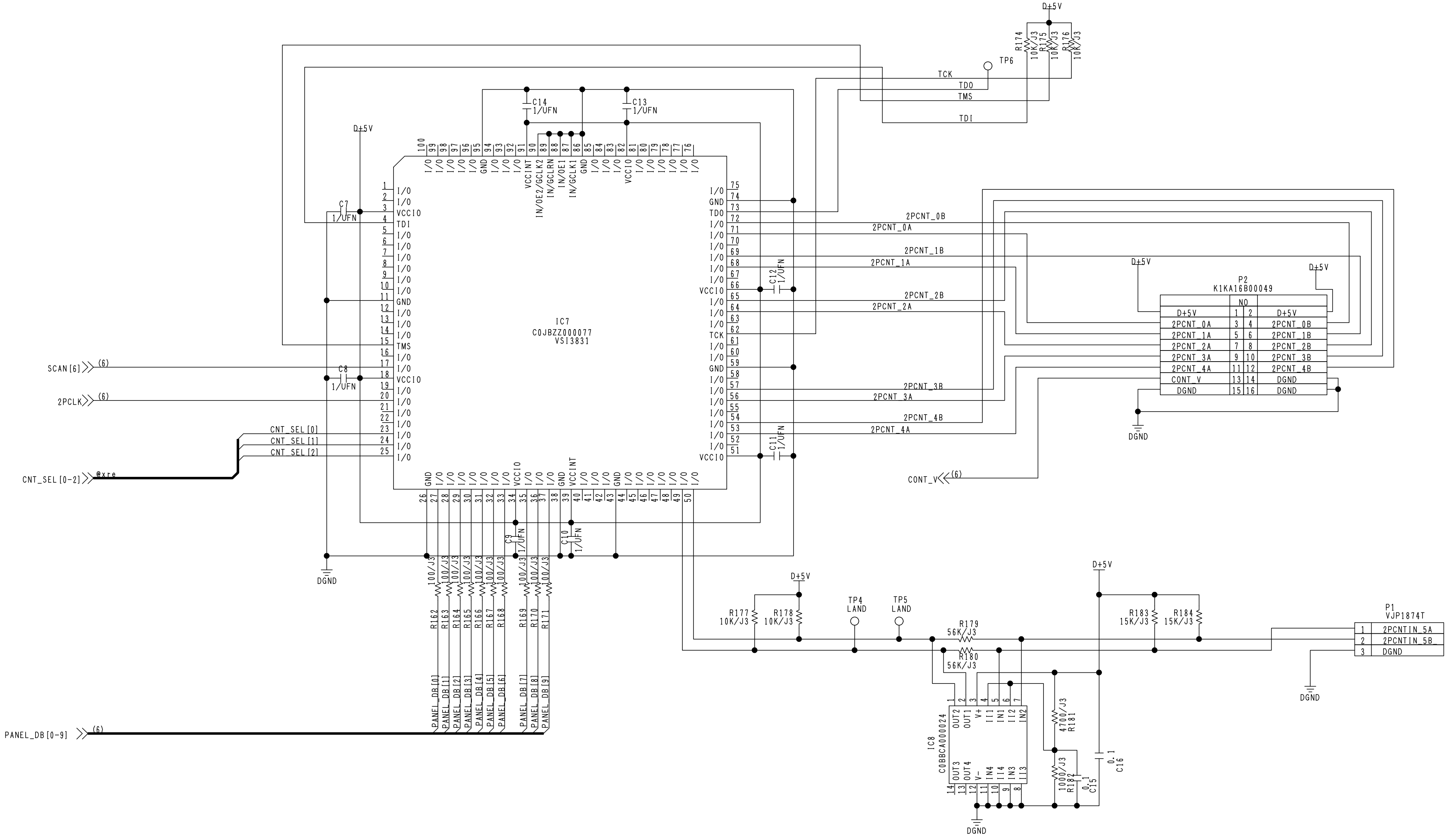
COMPONENT NAME	PANEL	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66449A	KR6U98 (2/6) (0)	
	SCM045	


1/5A
2/6A
3/7A
4/8A
INTEXTA
MIXFADE
DGND
SW67 EP600W01YP2
SW68 EP600W01YP2
SW69 EP600W01YP2
SW70 EP600W01YP2
SW76 EP600W01YP2
SW77 EP600W01RP2
D+5V
15/J6 R104
15/J6 R107
15/J6 R110
15/J6 R113
15/J6 R116
22/J6 R119
Q23
Q24
Q25
Q26
Q27
Q28
2SB710A-RSTX
R103 560/J3
R105 10K/J3
R106 560/J3
R108 10K/J3
R109 560/J3
R111 10K/J3
R112 560/J3
R114 10K/J3
R115 560/J3
R117 10K/J3
R118 560/J3
R120 10K/J3
R90 10K/J3
R91 10K/J3
R92 10K/J3
R93 10K/J3
R94 10K/J3
R95 10K/J3
R96 10K/J3
R97 10K/J3
IC5
TVHC574FTEL
CLK
OC
1Q 2Q 3Q 4Q 5Q 6Q 7Q 8Q
1D 2D 3D 4D 5D 6D 7D 8D
(6) STLEDREGOE
(6) SCAN[7]
SCAN[7]
@xre PANEL_DB[0-12]
PANEL_DB[0]
PANEL_DB[1]
PANEL_DB[2]
PANEL_DB[3]
PANEL_DB[4]
PANEL_DB[5]
PANEL_DB[6]
PANEL_DB[7]
IC6
TVHC574FTEL
R98 10K/J3
R99 10K/J3
R100 10K/J3
R101 10K/J3
R102 10K/J3
PANEL_DB[8]
PANEL_DB[9]
PANEL_DB[10]
PANEL_DB[11]
PANEL_DB[12]
Q29
Q30
Q31
Q32
Q33
Q34
Q35
R121 560/J3
R122 10K/J3
R123 15/J6
R124 560/J3
R125 10K/J3
R126 15/J6
R127 560/J3
R128 10K/J3
R129 15/J6
R130 560/J3
R131 10K/J3
R132 15/J6
R133 560/J3
R134 10K/J3
R135 15/J6
R136 560/J3
R137 10K/J3
R138 22/J6
R139 560/J3
R140 10K/J3
R141 22/J6
EP600W01GP2 SW72
EP600W01GP2 SW73
EP600W01GP2 SW74
EP600W01GP2 SW75
EP600W01GP2 SW71
EP600W01RP2 SW78
EP600W01RP2 SW79
1/5B
2/6B
3/7B
4/8B
INTEXTB
AUTOTAKE
MIXDSK
C5 1/UFN
C6 1/UFN
IC5 TVHC574FTEL
IC6 TVHC574FTEL

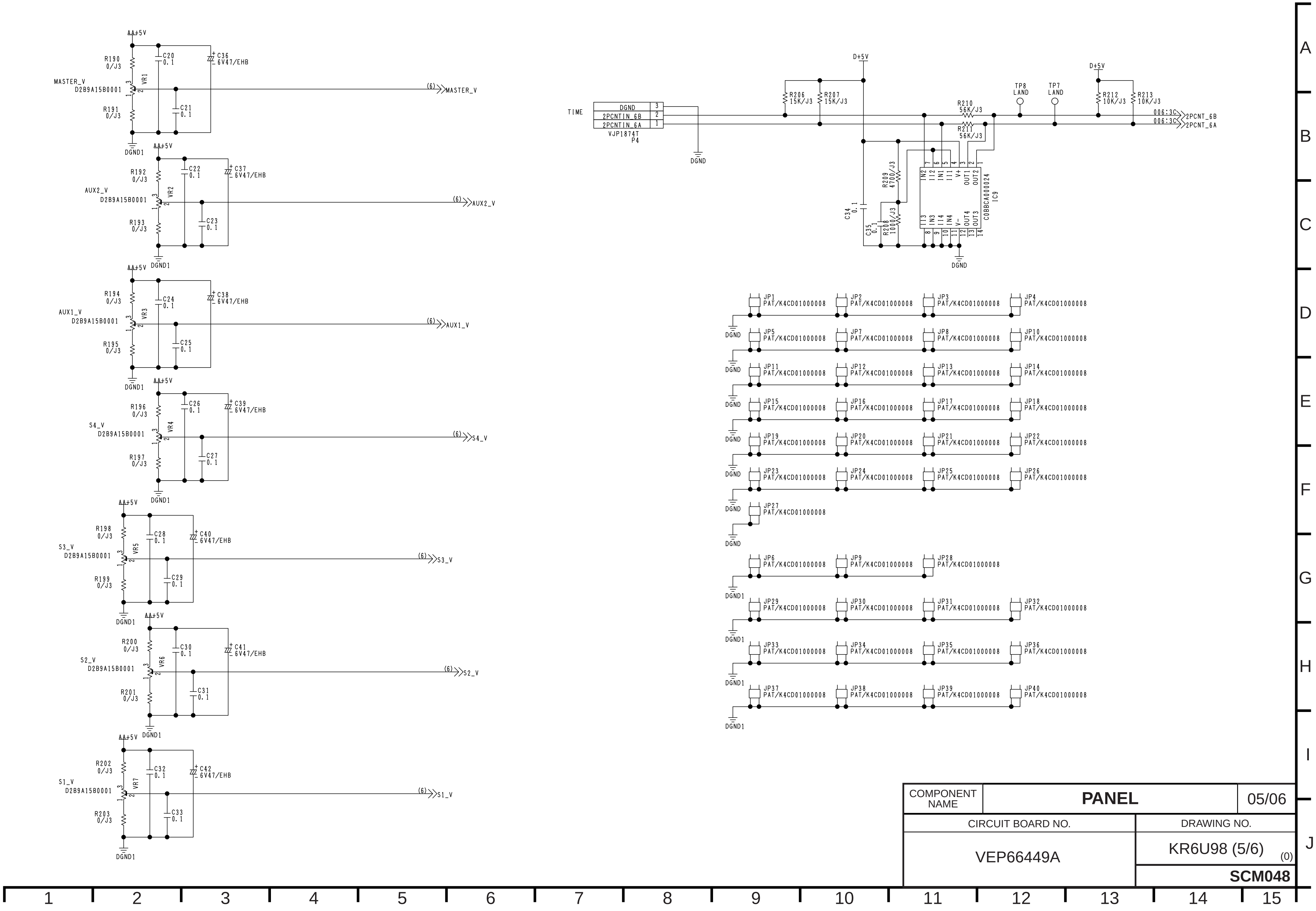
COMPONENT NAME	PANEL	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66449A	KR6U98 (3/6) (0)	
	SCM046	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


IC7
C0JBZZ000077
VSI3831
IC8
C0BBCA000024
P2
K1KA16B00049
P1
VJP1874T
D+5V
DGND
TP4
LAND
TP5
LAND
TP6
TCK
TDO
TMS
TDI
R174 10K/J3
R175 10K/J3
R176 10K/J3
C7 1/UFN
C8 1/UFN
C9 1/UFN
C10 1/UFN
C11 1/UFN
C12 1/UFN
C13 1/UFN
C14 1/UFN
C15 0.1
C16 0.1
R162 R163 R164 R165 R166 R167 R168 R169 R170 R171 100/J3
R177 10K/J3
R178 10K/J3
R179 56K/J3
R180 56K/J3
R181 4700/J3
R182 1000/J3
R183 15K/J3
R184 15K/J3
SCAN[6] (6)
2PCLK (6)
CNT_SEL[0]
CNT_SEL[1]
CNT_SEL[2]
CNT_SEL[0-2] @xre
PANEL_DB[0-9] (6)
PANEL_DB[0]
PANEL_DB[1]
PANEL_DB[2]
PANEL_DB[3]
PANEL_DB[4]
PANEL_DB[5]
PANEL_DB[6]
PANEL_DB[7]
PANEL_DB[8]
PANEL_DB[9]
CONT_V (6)
2PCNT_0A
2PCNT_0B
2PCNT_1A
2PCNT_1B
2PCNT_2A
2PCNT_2B
2PCNT_3A
2PCNT_3B
2PCNT_4A
2PCNT_4B
NO
D+5V 1 2 D+5V
2PCNT_0A 3 4 2PCNT_0B
2PCNT_1A 5 6 2PCNT_1B
2PCNT_2A 7 8 2PCNT_2B
2PCNT_3A 9 10 2PCNT_3B
2PCNT_4A 11 12 2PCNT_4B
CONT_V 13 14 DGND
DGND 15 16 DGND
1 2PCNTIN_5A
2 2PCNTIN_5B
3 DGND
VCCIO
VCCINT
GND
TDI
TMS
TDO
TCK
I/O
IN/OE2/GCLK2
IN/GCLRN
IN/OE1
IN/GCLK1
OUT1 OUT2 V+ IN1 I1 I2 IN2
OUT3 OUT4 V- IN4 I4 IN3 I3
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	PANEL	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66449A	KR6U98 (4/6) (0)	
	SCM047	


AA+5V
R190
0/J3
C20
0.1
C36
6V47/EHB
MASTER_V
D2B9A15B0001
VR1
R191
0/J3
C21
0.1
DGND1
(6)
MASTER_V
AA+5V
R192
0/J3
C22
0.1
C37
6V47/EHB
AUX2_V
D2B9A15B0001
VR2
R193
0/J3
C23
0.1
DGND1
(6)
AUX2_V
AA+5V
R194
0/J3
C24
0.1
C38
6V47/EHB
AUX1_V
D2B9A15B0001
VR3
R195
0/J3
C25
0.1
DGND1
(6)
AUX1_V
AA+5V
R196
0/J3
C26
0.1
C39
6V47/EHB
S4_V
D2B9A15B0001
VR4
R197
0/J3
C27
0.1
DGND1
(6)
S4_V
AA+5V
R198
0/J3
C28
0.1
C40
6V47/EHB
S3_V
D2B9A15B0001
VR5
R199
0/J3
C29
0.1
DGND1
(6)
S3_V
AA+5V
R200
0/J3
C30
0.1
C41
6V47/EHB
S2_V
D2B9A15B0001
VR6
R201
0/J3
C31
0.1
DGND1
(6)
S2_V
AA+5V
R202
0/J3
C32
0.1
C42
6V47/EHB
S1_V
D2B9A15B0001
VR7
R203
0/J3
C33
0.1
DGND1
(6)
S1_V
TIME
DGND
2PCNTIN_6B
2PCNTIN_6A
3
2
1
VJP1874T
P4
DGND
D+5V
R206
15K/J3
R207
15K/J3
R210
56K/J3
R211
56K/J3
TP8
LAND
TP7
LAND
D+5V
R212
10K/J3
R213
10K/J3
006:3C
2PCNT_6B
006:3C
2PCNT_6A
R209
4700/J3
C34
0.1
C35
0.1
R208
1000/J3
IN2
II2
IN1
II1
V+
OUT1
OUT2
II3
IN3
II4
IN4
V-
OUT4
OUT3
C0BBCA000024
IC9
DGND
JP1 PAT/K4CD01000008
JP2 PAT/K4CD01000008
JP3 PAT/K4CD01000008
JP4 PAT/K4CD01000008
DGND
JP5 PAT/K4CD01000008
JP7 PAT/K4CD01000008
JP8 PAT/K4CD01000008
JP10 PAT/K4CD01000008
DGND
JP11 PAT/K4CD01000008
JP12 PAT/K4CD01000008
JP13 PAT/K4CD01000008
JP14 PAT/K4CD01000008
DGND
JP15 PAT/K4CD01000008
JP16 PAT/K4CD01000008
JP17 PAT/K4CD01000008
JP18 PAT/K4CD01000008
DGND
JP19 PAT/K4CD01000008
JP20 PAT/K4CD01000008
JP21 PAT/K4CD01000008
JP22 PAT/K4CD01000008
DGND
JP23 PAT/K4CD01000008
JP24 PAT/K4CD01000008
JP25 PAT/K4CD01000008
JP26 PAT/K4CD01000008
DGND
JP27 PAT/K4CD01000008
DGND
JP6 PAT/K4CD01000008
JP9 PAT/K4CD01000008
JP28 PAT/K4CD01000008
DGND1
JP29 PAT/K4CD01000008
JP30 PAT/K4CD01000008
JP31 PAT/K4CD01000008
JP32 PAT/K4CD01000008
DGND1
JP33 PAT/K4CD01000008
JP34 PAT/K4CD01000008
JP35 PAT/K4CD01000008
JP36 PAT/K4CD01000008
DGND1
JP37 PAT/K4CD01000008
JP38 PAT/K4CD01000008
JP39 PAT/K4CD01000008
JP40 PAT/K4CD01000008
DGND1
A
B
C
D
E
F
G
H
I
J
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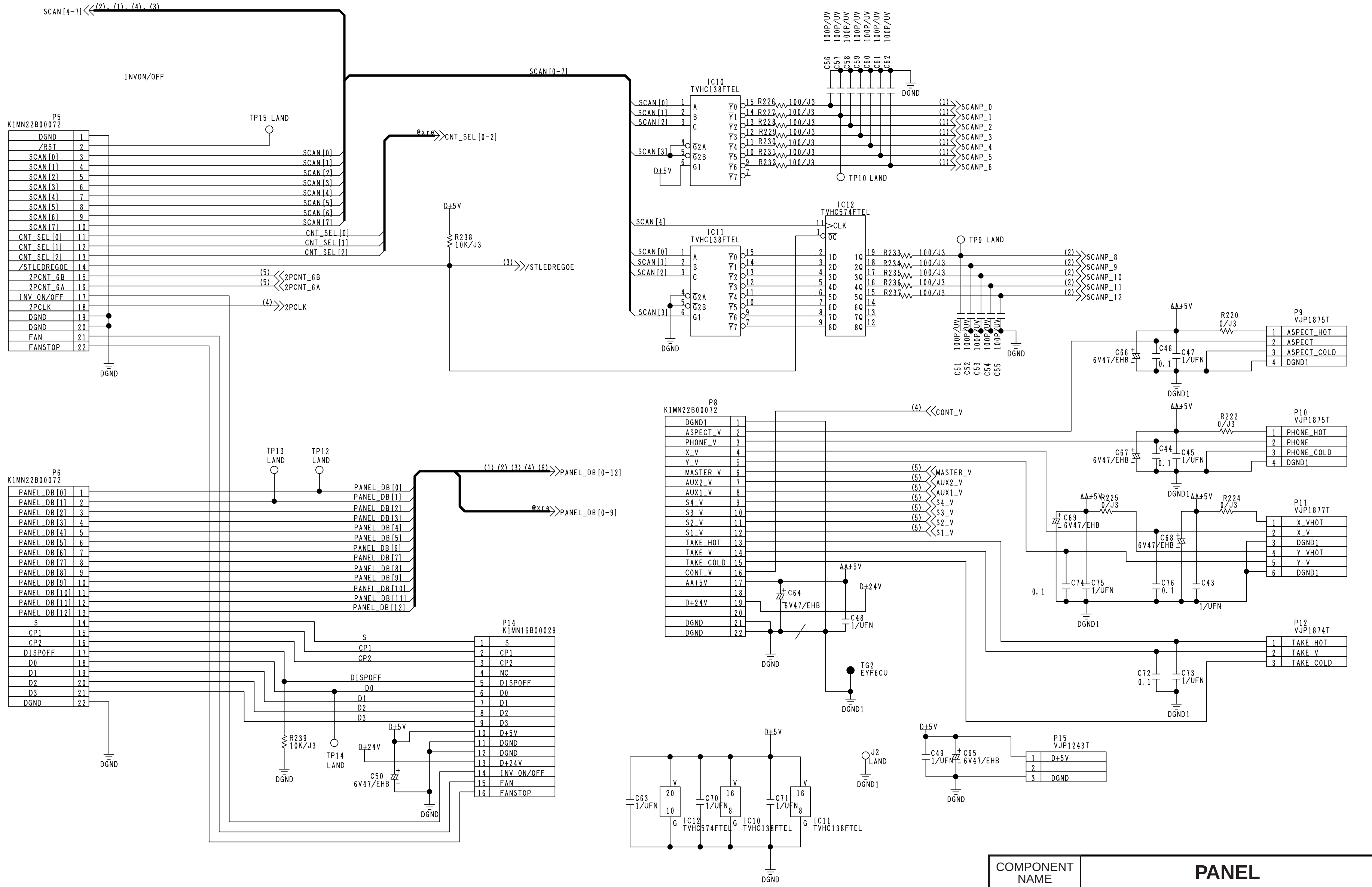
COMPONENT NAME	**PANEL**		05/06
CIRCUIT BOARD NO.		DRAWING NO.	
VEP66449A		KR6U98 (5/6) (0)	
		SCM048	


SCAN[4-7]
(2),(1),(4),(3)
INVON/OFF
SCAN[0-7]
P5
K1MN22B00072
DGND
/RST
SCAN[0]
SCAN[1]
SCAN[2]
SCAN[3]
SCAN[4]
SCAN[5]
SCAN[6]
SCAN[7]
CNT_SEL[0]
CNT_SEL[1]
CNT_SEL[2]
/STLEDREGOE
2PCNT_6B
2PCNT_6A
INV_ON/OFF
2PCLK
FAN
FANSTOP
TP15 LAND
@xre
CNT_SEL[0-2]
D+5V
R238
10K/J3
(3)
/STLEDREGOE
(5)
(4)
IC10
TVHC138FTEL
IC11
TVHC138FTEL
IC12
TVHC574FTEL
R226
R227
R228
R229
R230
R231
R232
100/J3
C56
C57
C58
C59
C60
C61
C62
100P/UV
TP10 LAND
(1)
SCANP_0
SCANP_1
SCANP_2
SCANP_3
SCANP_4
SCANP_5
SCANP_6
TP9 LAND
R233
R234
R235
R236
R237
(2)
SCANP_8
SCANP_9
SCANP_10
SCANP_11
SCANP_12
C51
C52
C53
C54
C55
AA+5V
R220
0/J3
P9
VJP1875T
ASPECT_HOT
ASPECT
ASPECT_COLD
DGND1
C66
6V47/EHB
C46
0.1
C47
1/UFN
R222
P10
PHONE_HOT
PHONE
PHONE_COLD
C67
C44
C45
P8
K1MN22B00072
ASPECT_V
PHONE_V
X_V
Y_V
MASTER_V
AUX2_V
AUX1_V
S4_V
S3_V
S2_V
S1_V
TAKE_HOT
TAKE_V
TAKE_COLD
CONT_V
D+24V
CONT_V
R225
R224
P11
VJP1877T
X_VHOT
Y_VHOT
C69
C68
C74
C75
C76
C43
C64
C48
P12
VJP1874T
TAKE_HOT
TAKE_V
TAKE_COLD
C72
C73
TG2
EYF6CU
TP13 LAND
TP12 LAND
P6
K1MN22B00072
PANEL_DB[0]
PANEL_DB[1]
PANEL_DB[2]
PANEL_DB[3]
PANEL_DB[4]
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PANEL_DB[8]
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S
CP1
CP2
DISPOFF
D0
D1
D2
D3
(1)(2)(3)(4)(6)
PANEL_DB[0-12]
PANEL_DB[0-9]
P14
K1MN16B00029
NC
D+5V
D+24V
INV_ON/OFF
R239
10K/J3
TP14 LAND
C50
6V47/EHB
C63
C70
C71
1/UFN
IC12
TVHC574FTEL
IC10
TVHC138FTEL
IC11
TVHC138FTEL
J2 LAND
P15
VJP1243T
C49
C65
DGND
A
B
C
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I
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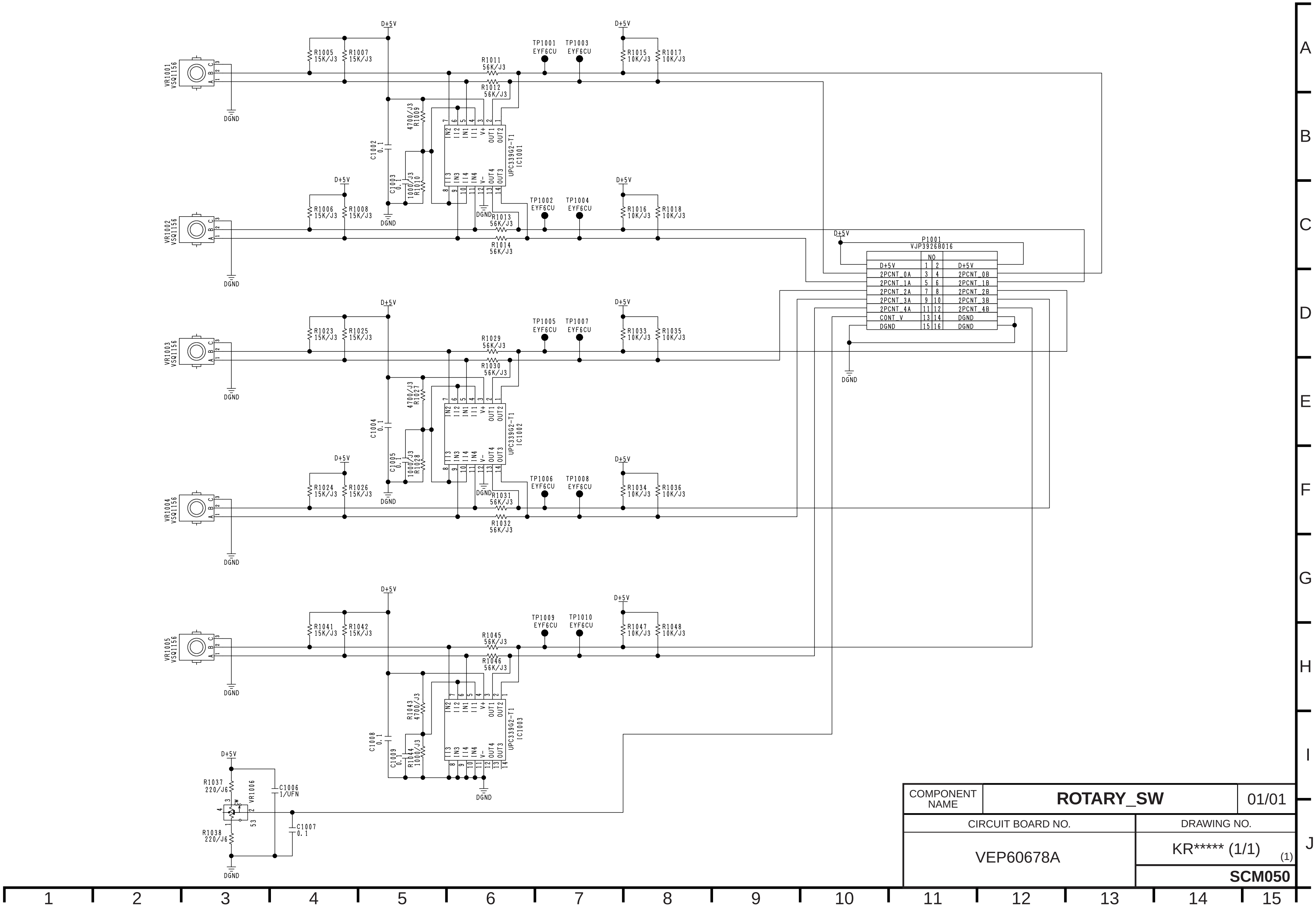
COMPONENT NAME	PANEL	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP66449A	KR6U98 (6/6) (0)	
	SCM049	


VR1001
VSQ1156
A B C
1 2 3
DGND
D+5V
R1005
15K/J3
R1007
15K/J3
R1011
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R1012
56K/J3
TP1001
EYF6CU
TP1003
EYF6CU
R1015
10K/J3
R1017
10K/J3
R1009
4700/J3
C1002
0.1
C1003
0.1
R1010
1000/J3
IN2 II2 IN1 II1 V+ OUT1 OUT2
7 6 5 4 3 2 1
II3 IN3 II4 IN4 V- OUT4 OUT3
8 9 10 11 12 13 14
UPC339G2-T1
IC1001
VR1002
VSQ1156
R1006
15K/J3
R1008
15K/J3
TP1002
EYF6CU
TP1004
EYF6CU
R1013
56K/J3
R1014
56K/J3
R1016
10K/J3
R1018
10K/J3
P1001
VJP3926B016
NO
D+5V 1 2 D+5V
2PCNT_0A 3 4 2PCNT_0B
2PCNT_1A 5 6 2PCNT_1B
2PCNT_2A 7 8 2PCNT_2B
2PCNT_3A 9 10 2PCNT_3B
2PCNT_4A 11 12 2PCNT_4B
CONT_V 13 14 DGND
DGND 15 16 DGND
VR1003
VSQ1156
R1023
15K/J3
R1025
15K/J3
R1029
56K/J3
R1030
56K/J3
TP1005
EYF6CU
TP1007
EYF6CU
R1033
10K/J3
R1035
10K/J3
R1027
4700/J3
C1004
0.1
C1005
0.1
R1028
1000/J3
UPC339G2-T1
IC1002
VR1004
VSQ1156
R1024
15K/J3
R1026
15K/J3
TP1006
EYF6CU
TP1008
EYF6CU
R1031
56K/J3
R1032
56K/J3
R1034
10K/J3
R1036
10K/J3
VR1005
VSQ1156
R1041
15K/J3
R1042
15K/J3
R1045
56K/J3
R1046
56K/J3
TP1009
EYF6CU
TP1010
EYF6CU
R1047
10K/J3
R1048
10K/J3
R1043
4700/J3
C1008
0.1
C1009
0.1
R1044
1000/J3
UPC339G2-T1
IC1003
R1037
220/J6
R1038
220/J6
VR1006
CW
4 3 2 1
53
C1006
1/UFN
C1007
0.1
A
B
C
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E
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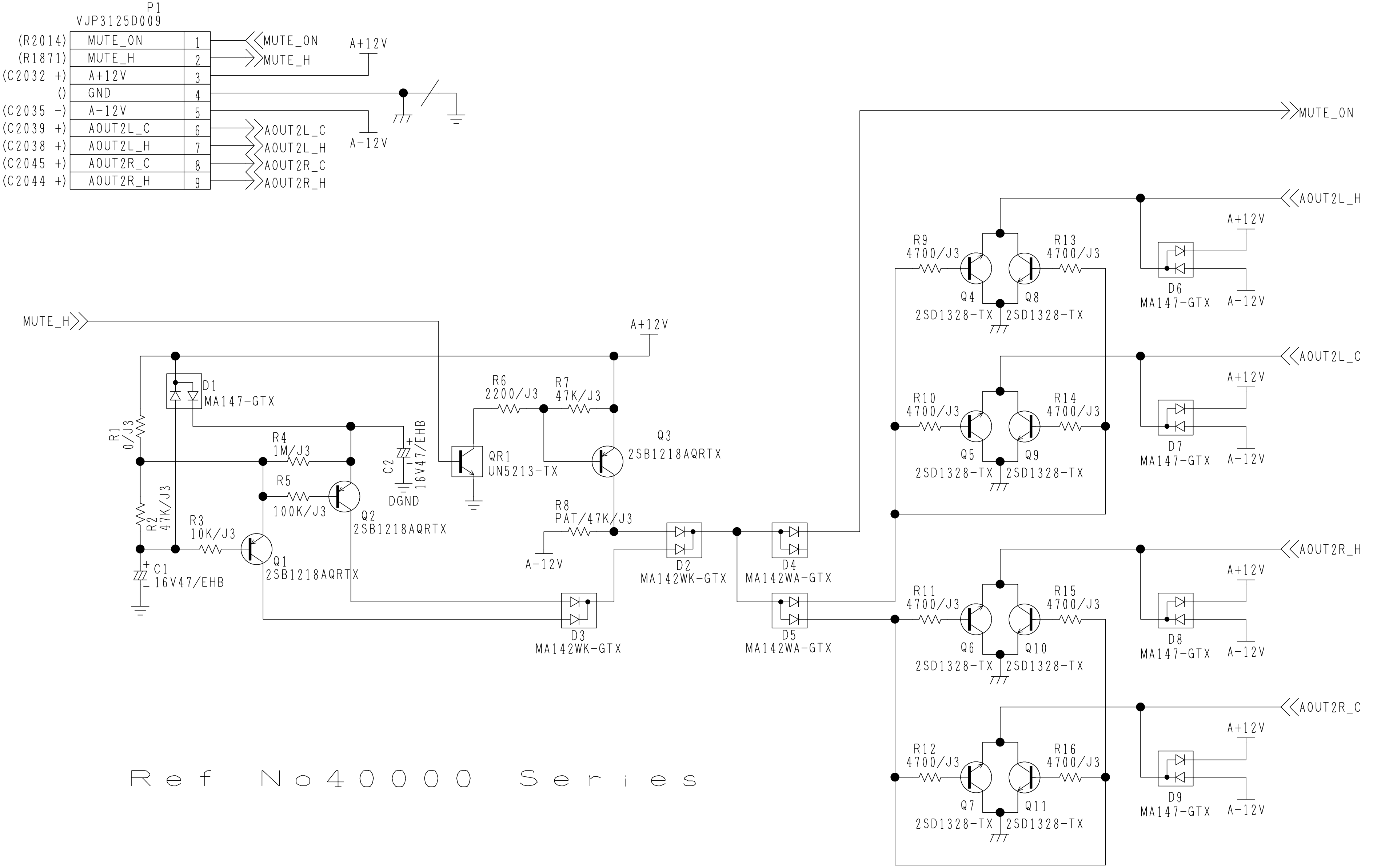
I
J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	**ROTARY_SW**	01/01

CIRCUIT BOARD NO.	DRAWING NO.
VEP60678A	KR***** (1/1) (1)
	SCM050


P1
VJP3125D009
(R2014) MUTE_ON 1
(R1871) MUTE_H 2
(C2032 +) A+12V 3
() GND 4
(C2035 -) A-12V 5
(C2039 +) AOUT2L_C 6
(C2038 +) AOUT2L_H 7
(C2045 +) AOUT2R_C 8
(C2044 +) AOUT2R_H 9
MUTE_ON
MUTE_H
A+12V
A-12V
AOUT2L_C
AOUT2L_H
AOUT2R_C
AOUT2R_H
MUTE_ON
MUTE_H
A+12V
D1
MA147-GTX
R1
0/J3
R2
47K/J3
R3
10K/J3
R4
1M/J3
R5
100K/J3
C1
16V47/EHB
C2
16V47/EHB
DGND
Q1
2SB1218AQRTX
Q2
2SB1218AQRTX
R6
2200/J3
R7
47K/J3
QR1
UN5213-TX
Q3
2SB1218AQRTX
R8
PAT/47K/J3
A-12V
D2
MA142WK-GTX
D3
MA142WK-GTX
D4
MA142WA-GTX
D5
MA142WA-GTX
AOUT2L_H
R9
4700/J3
R13
4700/J3
Q4
2SD1328-TX
Q8
2SD1328-TX
D6
MA147-GTX
A+12V
A-12V
AOUT2L_C
R10
4700/J3
R14
4700/J3
Q5
2SD1328-TX
Q9
2SD1328-TX
D7
MA147-GTX
A+12V
A-12V
AOUT2R_H
R11
4700/J3
R15
4700/J3
Q6
2SD1328-TX
Q10
2SD1328-TX
D8
MA147-GTX
A+12V
A-12V
AOUT2R_C
R12
4700/J3
R16
4700/J3
Q7
2SD1328-TX
Q11
2SD1328-TX
D9
MA147-GTX
A+12V
A-12V
Ref No40000 Series

COMPONENT NAME	A_MUTE	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP64184A	KR4L35 (1/1) (0)	
	SCM051	

A
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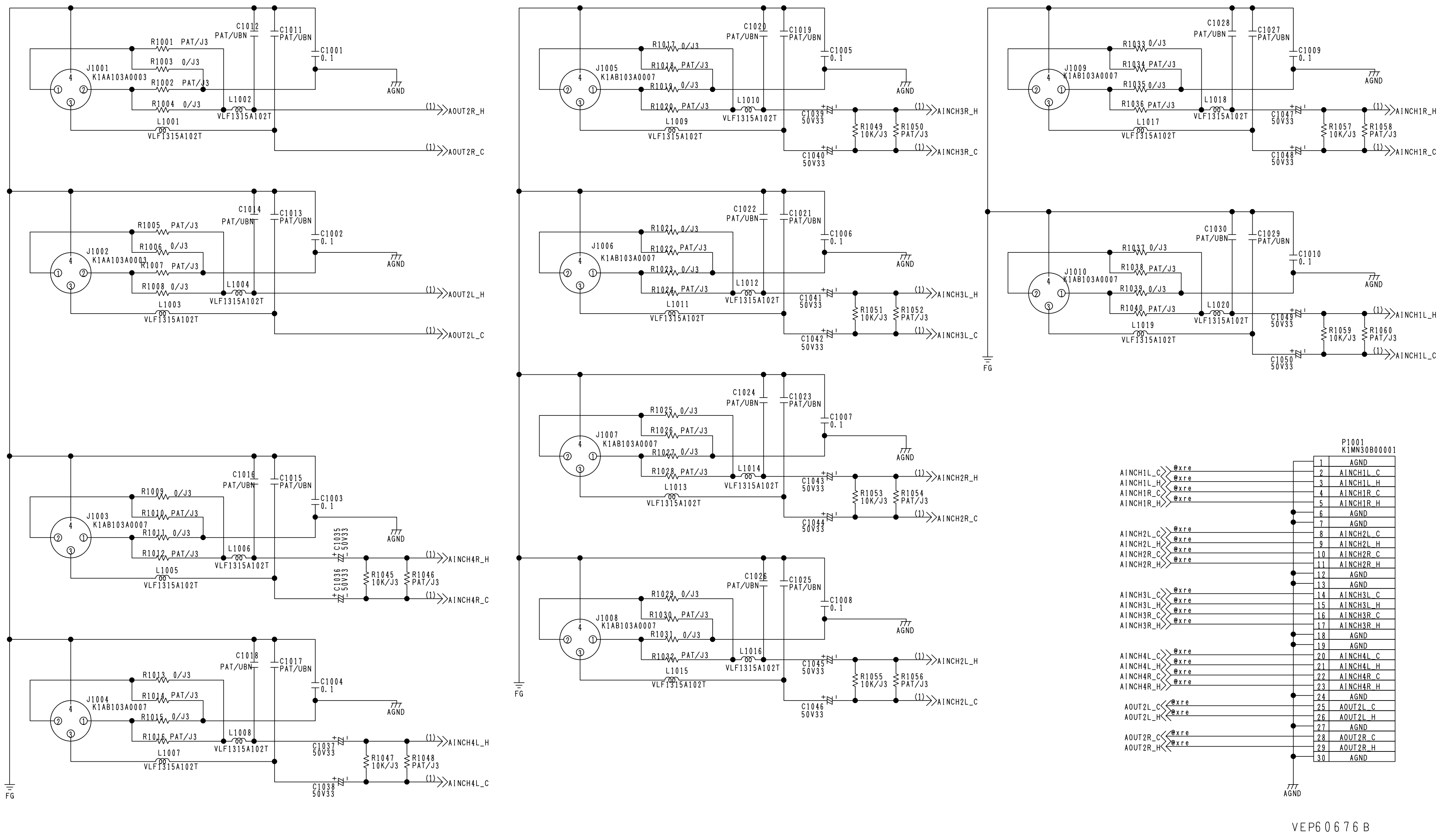
J1001
K1AA103A0003
R1001 PAT/J3
R1003 0/J3
R1002 PAT/J3
R1004 0/J3
C1012 PAT/UBN
C1011 PAT/UBN
C1001 0.1
AGND
L1002 VLF1315A102T
L1001 VLF1315A102T
(1) AOUT2R_H
(1) AOUT2R_C
J1002
K1AA103A0003
R1005 PAT/J3
R1006 0/J3
R1007 PAT/J3
R1008 0/J3
C1014 PAT/UBN
C1013 PAT/UBN
C1002 0.1
L1004 VLF1315A102T
L1003 VLF1315A102T
(1) AOUT2L_H
(1) AOUT2L_C
J1003
K1AB103A0007
R1009 0/J3
R1010 PAT/J3
R1011 0/J3
R1012 PAT/J3
C1016 PAT/UBN
C1015 PAT/UBN
C1003 0.1
L1006 VLF1315A102T
L1005 VLF1315A102T
C1035 50V33
C1036 50V33
R1045 10K/J3
R1046 PAT/J3
(1) AINCH4R_H
(1) AINCH4R_C
J1004
K1AB103A0007
R1013 0/J3
R1014 PAT/J3
R1015 0/J3
R1016 PAT/J3
C1018 PAT/UBN
C1017 PAT/UBN
C1004 0.1
L1008 VLF1315A102T
L1007 VLF1315A102T
C1037 50V33
C1038 50V33
R1047 10K/J3
R1048 PAT/J3
(1) AINCH4L_H
(1) AINCH4L_C
FG
J1005
K1AB103A0007
R1017 0/J3
R1018 PAT/J3
R1019 0/J3
R1020 PAT/J3
C1020 PAT/UBN
C1019 PAT/UBN
C1005 0.1
L1010 VLF1315A102T
L1009 VLF1315A102T
C1039 50V33
C1040 50V33
R1049 10K/J3
R1050 PAT/J3
(1) AINCH3R_H
(1) AINCH3R_C
J1006
K1AB103A0007
R1021 0/J3
R1022 PAT/J3
R1023 0/J3
R1024 PAT/J3
C1022 PAT/UBN
C1021 PAT/UBN
C1006 0.1
L1012 VLF1315A102T
L1011 VLF1315A102T
C1041 50V33
C1042 50V33
R1051 10K/J3
R1052 PAT/J3
(1) AINCH3L_H
(1) AINCH3L_C
J1007
K1AB103A0007
R1025 0/J3
R1026 PAT/J3
R1027 0/J3
R1028 PAT/J3
C1024 PAT/UBN
C1023 PAT/UBN
C1007 0.1
L1014 VLF1315A102T
L1013 VLF1315A102T
C1043 50V33
C1044 50V33
R1053 10K/J3
R1054 PAT/J3
(1) AINCH2R_H
(1) AINCH2R_C
J1008
K1AB103A0007
R1029 0/J3
R1030 PAT/J3
R1031 0/J3
R1032 PAT/J3
C1026 PAT/UBN
C1025 PAT/UBN
C1008 0.1
L1016 VLF1315A102T
L1015 VLF1315A102T
C1045 50V33
C1046 50V33
R1055 10K/J3
R1056 PAT/J3
(1) AINCH2L_H
(1) AINCH2L_C
J1009
K1AB103A0007
R1033 0/J3
R1034 PAT/J3
R1035 0/J3
R1036 PAT/J3
C1028 PAT/UBN
C1027 PAT/UBN
C1009 0.1
L1018 VLF1315A102T
L1017 VLF1315A102T
C1047 50V33
C1048 50V33
R1057 10K/J3
R1058 PAT/J3
(1) AINCH1R_H
(1) AINCH1R_C
J1010
K1AB103A0007
R1037 0/J3
R1038 PAT/J3
R1039 0/J3
R1040 PAT/J3
C1030 PAT/UBN
C1029 PAT/UBN
C1010 0.1
L1020 VLF1315A102T
L1019 VLF1315A102T
C1049 50V33
C1050 50V33
R1059 10K/J3
R1060 PAT/J3
(1) AINCH1L_H
(1) AINCH1L_C
P1001
K1MN30B00001
1 AGND
2 AINCH1L_C
3 AINCH1L_H
4 AINCH1R_C
5 AINCH1R_H
6 AGND
7 AGND
8 AINCH2L_C
9 AINCH2L_H
10 AINCH2R_C
11 AINCH2R_H
12 AGND
13 AGND
14 AINCH3L_C
15 AINCH3L_H
16 AINCH3R_C
17 AINCH3R_H
18 AGND
19 AGND
20 AINCH4L_C
21 AINCH4L_H
22 AINCH4R_C
23 AINCH4R_H
24 AGND
25 AOUT2L_C
26 AOUT2L_H
27 AGND
28 AOUT2R_C
29 AOUT2R_H
30 AGND
@xre
VEP60676B
A
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COMPONENT NAME	AUDIO I/O (OVER SEA)	01/01
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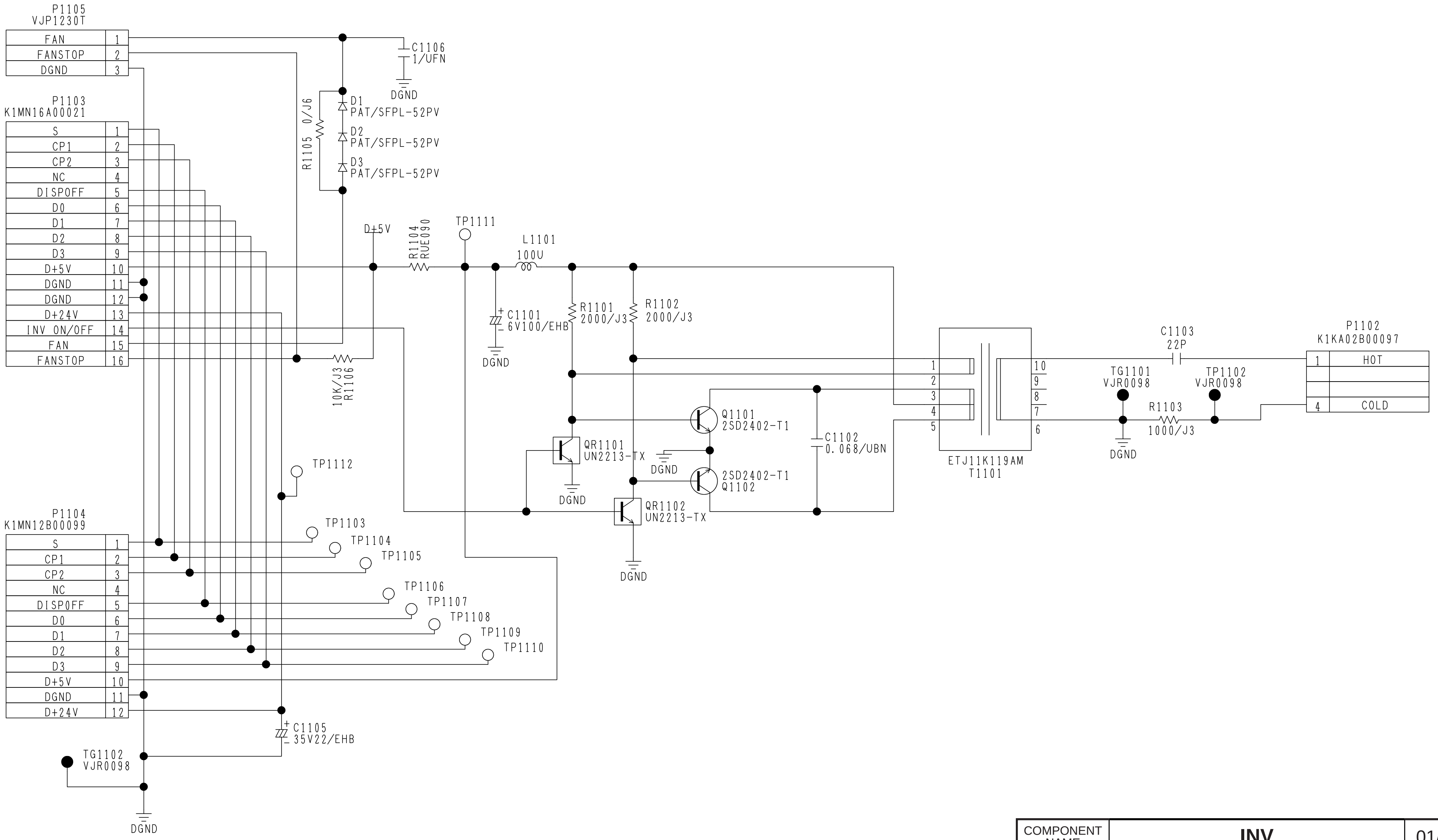
VEP60676B	KR0R58 (1/1) (0)	
	SCM052	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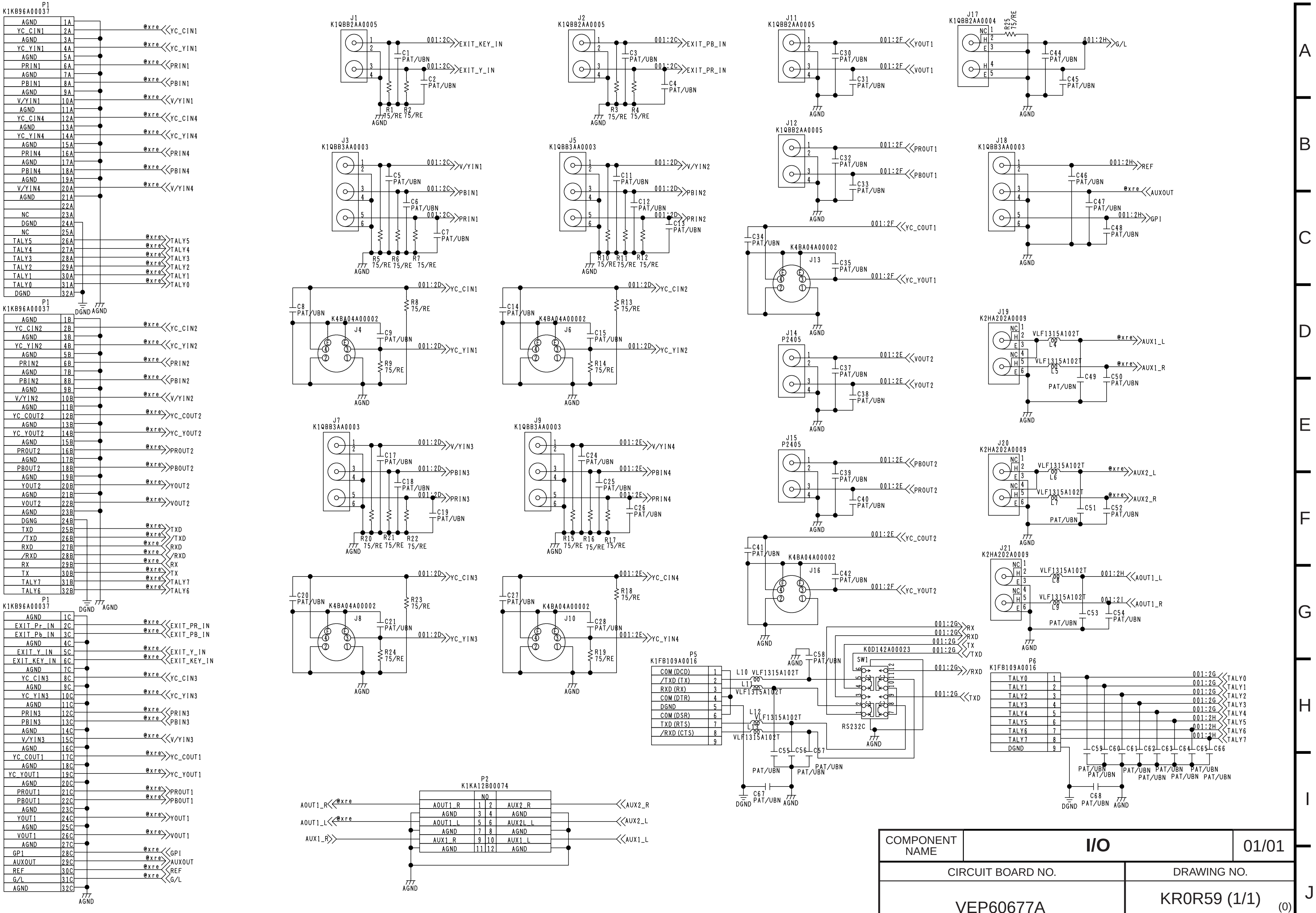
VJP1230T
FAN 1
FANSTOP 2
DGND 3
C1106
1/UFN
DGND
P1103
K1MN16A00021
S 1
CP1 2
CP2 3
NC 4
DISPOFF 5
D0 6
D1 7
D2 8
D3 9
D+5V 10
DGND 11
DGND 12
D+24V 13
INV ON/OFF 14
FAN 15
FANSTOP 16
R1105 0/J6
D1
PAT/SFPL-52PV
D2
PAT/SFPL-52PV
D3
PAT/SFPL-52PV
D+5V
R1104
RUE090
TP1111
L1101
100U
C1101
6V100/EHB
DGND
R1101
2000/J3
R1102
2000/J3
10K/J3
R1106
Q1101
2SD2402-T1
QR1101
UN2213-TX
DGND
DGND
2SD2402-T1
Q1102
QR1102
UN2213-TX
DGND
C1102
0.068/UBN
ETJ11K119AM
T1101
C1103
22P
P1102
K1KA02B00097
1 HOT
4 COLD
TG1101
VJR0098
TP1102
VJR0098
R1103
1000/J3
DGND
TP1112
P1104
K1MN12B00099
S 1
CP1 2
CP2 3
NC 4
DISPOFF 5
D0 6
D1 7
D2 8
D3 9
D+5V 10
DGND 11
D+24V 12
TP1103
TP1104
TP1105
TP1106
TP1107
TP1108
TP1109
TP1110
C1105
35V22/EHB
TG1102
VJR0098
DGND

COMPONENT NAME	INV	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60685A	KR0R65 (1/1) (0)	
	SCM053	



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P5
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P6
K1FB109A0016
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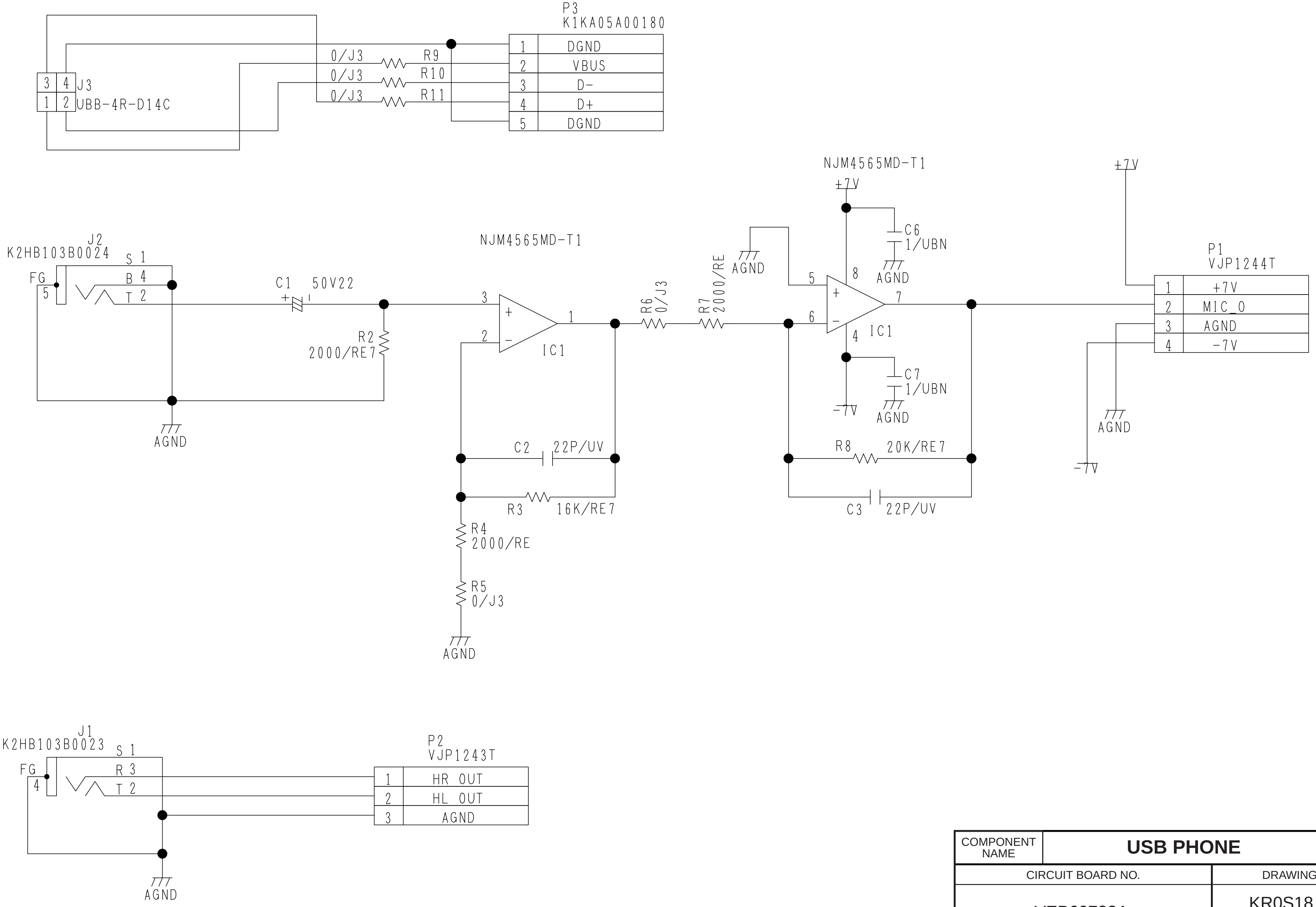
J2
K1QBB2AA0005
J3
K1QBB3AA0003
J5
K1QBB3AA0003
J7
K1QBB3AA0003
J9
K1QBB3AA0003
J4
J6
J8
J10
J13
J16
K4BA04A00002
J11
K1QBB2AA0005
J12
K1QBB2AA0005
J14
P2405
J15
P2405
J17
K1QBB2AA0004
J18
K1QBB3AA0003
J19
K2HA202A0009
J20
K2HA202A0009
J21
K2HA202A0009
SW1
K0D142A00023
RS232C
VLF1315A102T
PAT/UBN
75/RE
AGND
DGND
EXIT_KEY_IN
EXIT_Y_IN
EXIT_PB_IN
EXIT_PR_IN
YOUT1
VOUT1
PROUT1
PBOUT1
YC_COUT1
YC_YOUT1
YOUT2
VOUT2
PBOUT2
PROUT2
YC_COUT2
YC_YOUT2
G/L
REF
AUXOUT
GPI
AUX1_L
AUX1_R
AUX2_L
AUX2_R
AOUT1_L
AOUT1_R
V/YIN1
PBIN1
PRIN1
V/YIN2
PBIN2
PRIN2
V/YIN3
PBIN3
PRIN3
V/YIN4
PBIN4
PRIN4
YC_CIN1
YC_YIN1
YC_CIN2
YC_YIN2
YC_CIN3
YC_YIN3
YC_CIN4
YC_YIN4
TALY0
TALY1
TALY2
TALY3
TALY4
TALY5
TALY6
TALY7
TXD
/TXD
RXD
/RXD
RX
TX
COM(DCD)
/TXD(TX)
RXD(RX)
COM(DTR)
COM(DSR)
TXD(RTS)
/RXD(CTS)

COMPONENT NAME	I/O	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60677A	KR0R59 (1/1) (0)	
	SCM054	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K1KA05A00180
1 DGND
2 VBUS
3 D-
4 D+
5 DGND
0/J3 R9
0/J3 R10
0/J3 R11
3 4 J3
1 2 UBB-4R-D14C
J2
K2HB103B0024
FG 5
S 1
B 4
T 2
AGND
C1 + 50V22
R2
2000/RE7
NJM4565MD-T1
3 +
2 -
1
IC1
C2 22P/UV
R3 16K/RE7
R4
2000/RE
R5
0/J3
AGND
R6
0/J3
R7
2000/RE
AGND
NJM4565MD-T1
+7V
C6
1/UBN
AGND
5 +
6 -
8
4
7
IC1
C7
1/UBN
-7V
AGND
R8 20K/RE7
C3 22P/UV
+7V
P1
VJP1244T
1 +7V
2 MIC_O
3 AGND
4 -7V
AGND
-7V
J1
K2HB103B0023
FG 4
S 1
R 3
T 2
AGND
P2
VJP1243T
1 HR OUT
2 HL OUT
3 AGND

COMPONENT NAME

USB PHONE

01/01

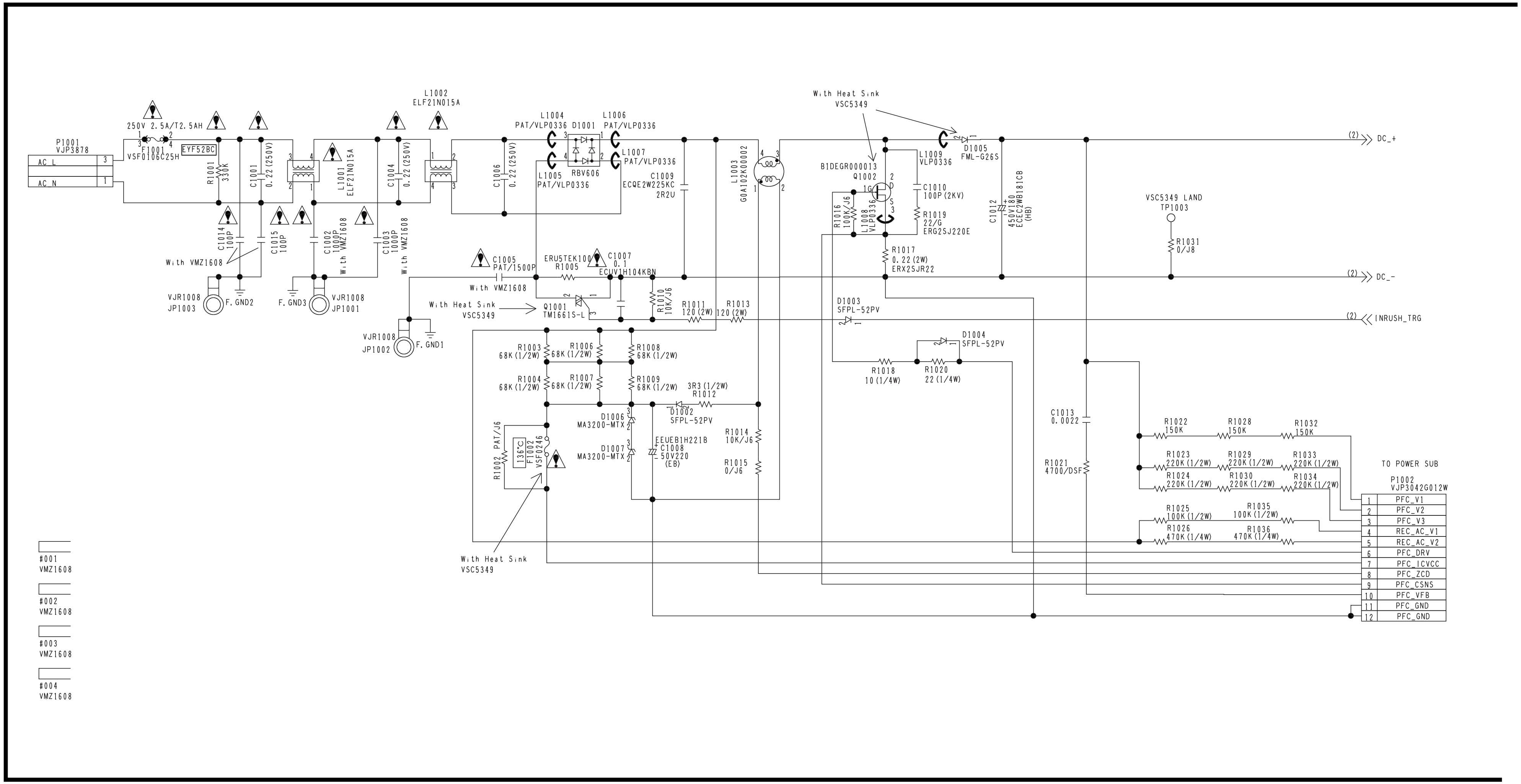
CIRCUIT BOARD NO.

VEP60733A

DRAWING NO.

KR0S18 (1/1) (0)

SCM055


P1001
VJP3878
AC_L
AC_N
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1
250V 2.5A/T2.5AH
F1001
VSF0106C25H
EYF52BC
R1001
330K
C1001
0.22(250V)
L1001
ELF21N015A
C1004
0.22(250V)
L1002
ELF21N015A
C1006
0.22(250V)
L1004
PAT/VLP0336
D1001
RBV606
L1006
PAT/VLP0336
L1005
PAT/VLP0336
L1007
PAT/VLP0336
C1009
ECQE2W225KC
2R2U
C1014
100P
C1015
100P
With VMZ1608
C1002
1000P
With VMZ1608
C1003
1000P
With VMZ1608
VJR1008
JP1003
F.GND2
F.GND3
VJR1008
JP1001
C1005
PAT/1500P
With VMZ1608
ERU5TEK100
R1005
C1007
0.1
ECUV1H104KBN
With Heat Sink
VSC5349
Q1001
TM1661S-L
R1010
10K/J6
R1011
120(2W)
R1013
120(2W)
VJR1008
JP1002
F.GND1
R1003
68K(1/2W)
R1006
68K(1/2W)
R1008
68K(1/2W)
R1004
68K(1/2W)
R1007
68K(1/2W)
R1009
68K(1/2W)
3R3(1/2W)
R1012
D1002
SFPL-52PV
D1006
MA3200-MTX
D1007
MA3200-MTX
EEUEB1H221B
C1008
50V220
(EB)
R1014
10K/J6
R1015
0/J6
R1002 PAT/J6
136°C
F1002
VSF0246
With Heat Sink
VSC5349
L1003
G0A102K00002
With Heat Sink
VSC5349
B1DEGR000013
Q1002
G
D
S
L1009
VLP0336
C1010
100P(2KV)
R1019
22/G
ERG2SJ220E
R1016
100K/J6
L1008
VLP0336
R1017
0.22(2W)
ERX2SJR22
D1005
FML-G26S
C1012
450V180
ECEC2WB181CB
(HB)
VSC5349 LAND
TP1003
R1031
0/J8
(2) DC_+
(2) DC_-
(2) INRUSH_TRG
D1003
SFPL-52PV
D1004
SFPL-52PV
R1018
10(1/4W)
R1020
22(1/4W)
C1013
0.0022
R1021
4700/DSF
R1022
150K
R1028
150K
R1032
150K
R1023
220K(1/2W)
R1029
220K(1/2W)
R1033
220K(1/2W)
R1024
220K(1/2W)
R1030
220K(1/2W)
R1034
220K(1/2W)
R1025
100K(1/2W)
R1035
100K(1/2W)
R1026
470K(1/4W)
R1036
470K(1/4W)
TO POWER SUB
P1002
VJP3042G012W
1 PFC_V1
2 PFC_V2
3 PFC_V3
4 REC_AC_V1
5 REC_AC_V2
6 PFC_DRV
7 PFC_ICVCC
8 PFC_ZCD
9 PFC_CSNS
10 PFC_VFB
11 PFC_GND
12 PFC_GND
#001
VMZ1608
#002
VMZ1608
#003
VMZ1608
#004
VMZ1608

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

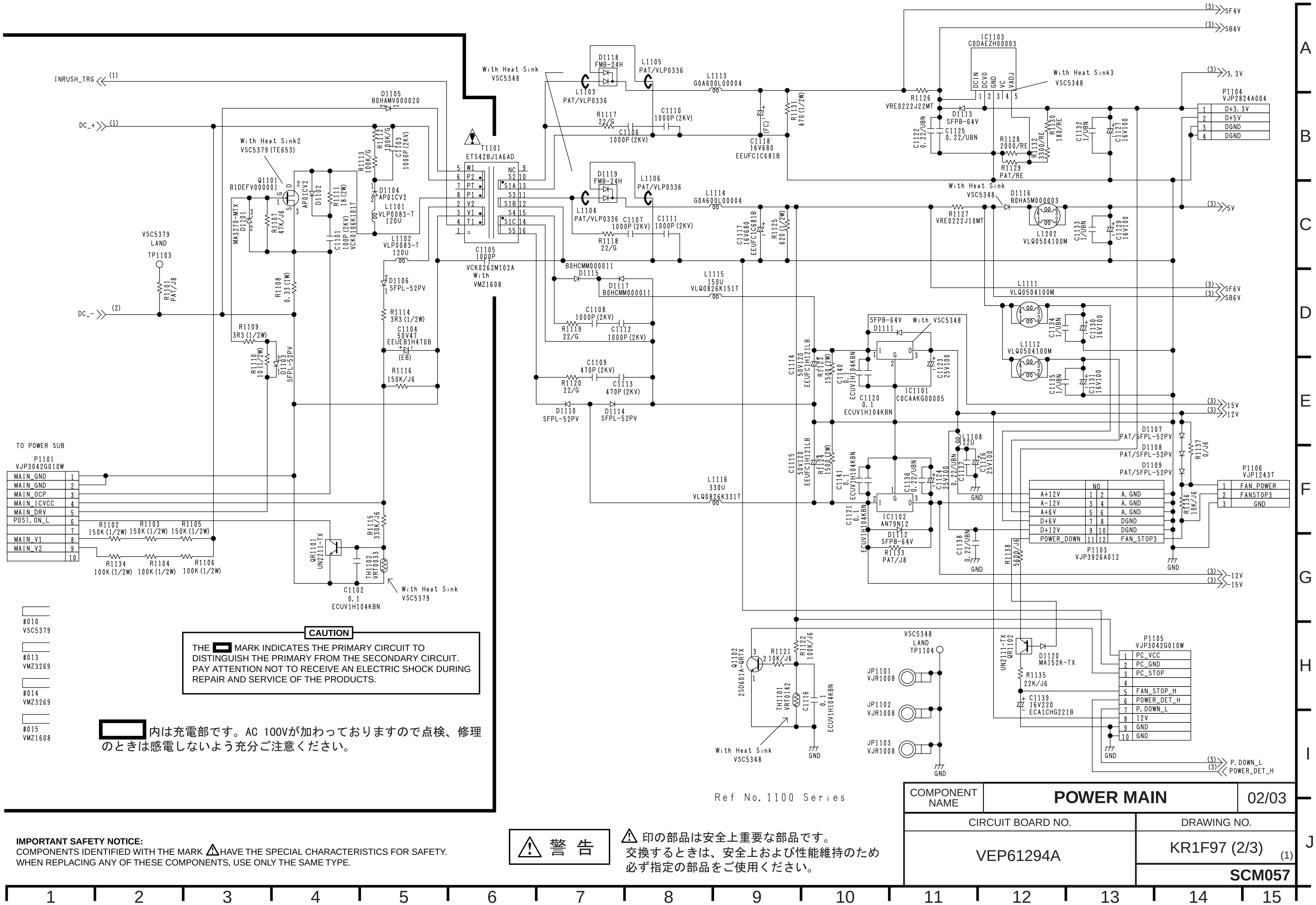
▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

Ref No.1000 Series

COMPONENT NAME	POWER MAIN	01/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP61294A	KR1F97 (1/3) (1)	
	SCM056	

A
B
C
D
E
F
G
H
I
J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


INRUSH_TRG (1)
DC_+ (1)
DC_- (2)
VSC5379 LAND TP1103
R1101 PAT/J8
D1105 B0HAMV000020
With Heat Sink2 VSC5379(TE653)
Q1101 B1DEFV000001
D1101 MA3270-MTX
R1107 47K/J6
D1102 AP01CV2
R1111 18(2W)
R1113 100K/G
R1112 100K/G
C1103 1000P(2KV)
D1104 AP01CV2
L1101 VLP0083-T 120U
C1101 100P(2KV) VCK0106K101T
L1102 VLP0083-T 120U
R1108 0.33(1W)
D1106 SFPL-52PV
R1114 3R3(1/2W)
C1104 50V47 EEUEB1H470B (EB)
R1116 150K/J6
R1109 3R3(1/2W)
R1110 10(1/2W)
D1103 SFPL-52PV
T1101 ETS42BJ1A6AD
W1 P2 PT P1 V2 V1 T1 NC S2 S1A S3 S1B S4 S1C S5
C1105 1000P VCK0262M102A With VMZ1608
With Heat Sink VSC5348
D1118 FMB-24H
L1103 PAT/VLP0336
L1105 PAT/VLP0336
R1117 22/G
C1106 1000P(2KV)
C1110 1000P(2KV)
L1113 G0A600L00004
C1118 16V680 EEUFC1C681B
R1131 470(1/2W)
D1119 FMB-24H
L1104 PAT/VLP0336
L1106 PAT/VLP0336
C1107 1000P(2KV)
C1111 1000P(2KV)
R1118 22/G
L1114 G0A600L00004
C1117 16V680 EEUFC1C681B
R1125 620(1/2W)
D1115 B0HCMM000011
D1117 B0HCMM000011
L1115 150U VLQ0826K151T
C1108 1000P(2KV)
R1119 22/G
C1112 1000P(2KV)
C1109 470P(2KV)
R1120 22/G
C1113 470P(2KV)
D1110 SFPL-52PV
D1114 SFPL-52PV
L1116 330U VLQ0826K331T
C1114 50V120 EEUFC1H121LB
R1123 150(2W)
C1140 0.1 ECUV1H104KBN
C1120 0.1 ECUV1H104KBN
SFPB-64V D1111 With VSC5348
IC1101 C0CAAKG00005
C1123 25V100
C1115 50V120 EEUFC1H121LB
R1124 150(2W)
C1141 0.1 ECUV1H104KBN
C1121 0.1 ECUV1H104KBN
IC1102 AN79N12
D1112 SFPB-64V
R1133 PAT/J8
C1136 0.22/UBN
C1124 25V100
L1108 220
C1122 0.22/UBN
C1137
C1126 25V100
C1138 0.22/UBN
IC1103 C0DAEZH00003
DCIN DCVO GND VC VADJ
With Heat Sink3 VSC5348
R1126 VRE0222J22MT
D1113 SFPB-64V
C1127 0.22/UBN
C1125 0.22/UBN
R1128 2000/RE
R1129 PAT/RE
R1130 180/RE
R1132 3300/RE
C1132 1/UBN
C1127 16V100
With Heat Sink VSC5348
D1116 B0HASM000003
R1127 VRE0222J10MT
L1202 VLQ0504100M
C1133 1/UBN
C1129 16V100
L1111 VLQ0504100M
C1134 1/UBN
C1130 16V100
L1112 VLQ0504100M
C1135 1/UBN
C1131 16V100
D1107 PAT/SFPL-52PV
D1108 PAT/SFPL-52PV
D1109 PAT/SFPL-52PV
R1137 0/J6
R1136 10K/J6
R1138 5600/J6
(3) SF4V
(3) SB4V
(3) 3.3V
(3) 5V
(3) SF6V
(3) SB6V
(3) 15V
(3) 12V
(3) -12V
(3) -15V
(3) P.DOWN_L
(3) POWER_DET_H
P1104 VJP2824A004
1 D+3.3V
2 D+5V
3 DGND
4 DGND
P1106 VJP1243T
1 FAN_POWER
2 FANSTOP3
3 GND
P1103 VJP3926A012
NO
A+12V 1 2 A.GND
A-12V 3 4 A.GND
A+6V 5 6 A.GND
D+6V 7 8 DGND
D+12V 9 10 DGND
POWER_DOWN 11 12 FAN_STOP3
GND
TO POWER SUB
P1101 VJP3042G010W
MAIN_GND 1
MAIN_GND 2
MAIN_OCP 3
MAIN_ICVCC 4
MAIN_DRV 5
POSI.ON_L 6
7
MAIN_V1 8
MAIN_V2 9
10
R1102 150K(1/2W)
R1103 150K(1/2W)
R1105 150K(1/2W)
R1134 100K(1/2W)
R1104 100K(1/2W)
R1106 100K(1/2W)
QR1101 UN2211-TX
R1115 330K/J6
TH1102 VRT0033
C1102 0.1 ECUV1H104KBN
With Heat Sink VSC5379
#010 VSC5379
#013 VMZ3269
#014 VMZ3269
#015 VMZ1608
Q1102 2SD601A-QRTX
R1121 10K/J6
R1122 100K/J6
TH1101 VRT0142
C1116 0.1 ECUV1H104KBN
With Heat Sink VSC5348
GND
VSC5348 LAND TP1104
JP1101 VJR1008
JP1102 VJR1008
JP1103 VJR1008
GND
QR1102 UN2111-TX
D1120 MA152K-TX
R1135 22K/J6
C1139 16V220 ECA1CHG221B
P1105 VJP3042G010W
1 PC_VCC
2 PC_GND
3 PC_STOP
4
5 FAN_STOP_H
6 POWER_DET_H
7 P.DOWN_L
8 12V
9 GND
10 GND
GND
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

Ref No.1100 Series

COMPONENT NAME	POWER MAIN	02/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP61294A	KR1F97 (2/3) (1)	
	SCM057	

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⚠ 警 告

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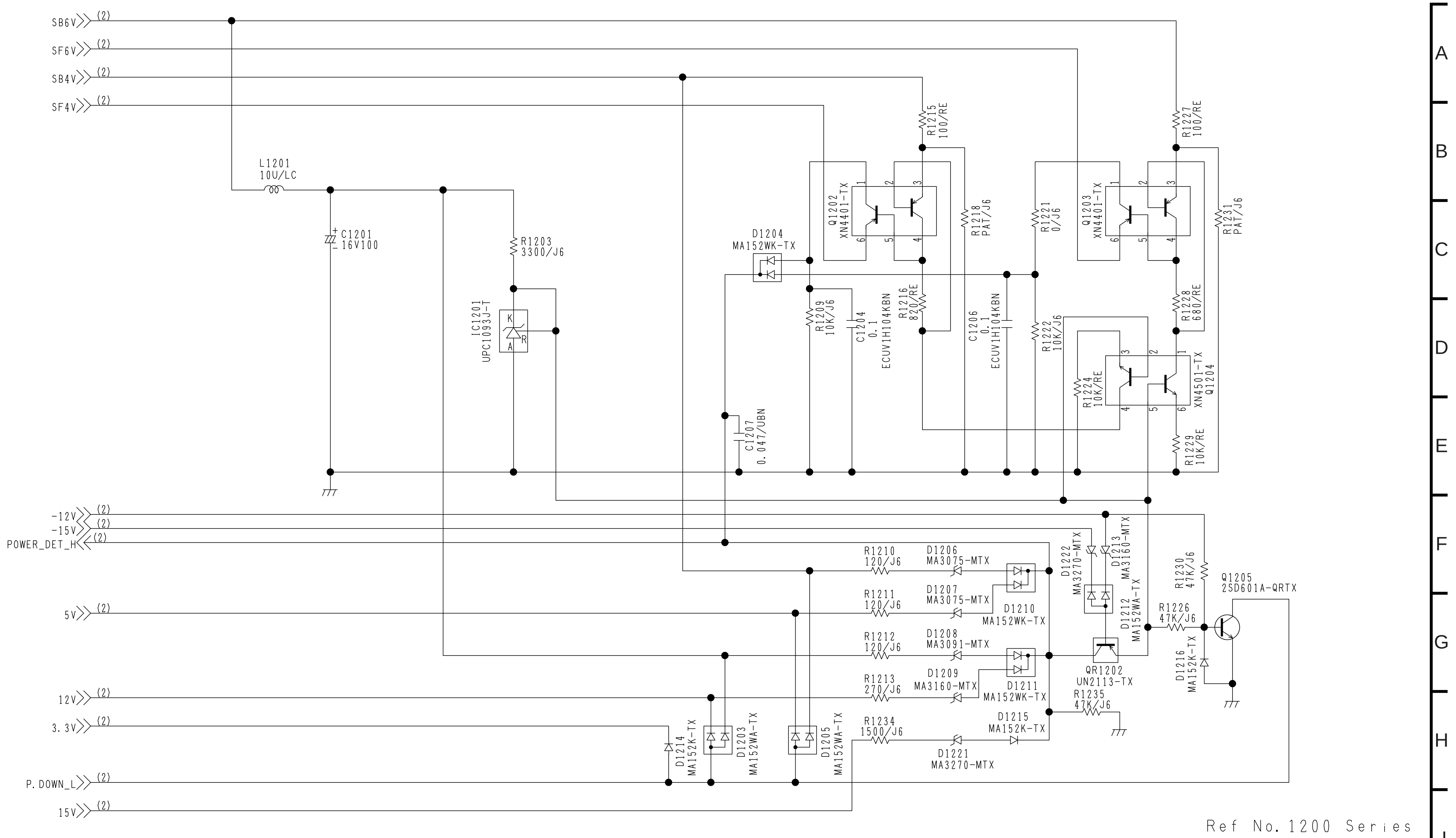
SB6V (2)
SF6V (2)
SB4V (2)
SF4V (2)
L1201
10U/LC
C1201
16V100
R1203
3300/J6
IC1201
UPC1093J-T
K
A
R
D1204
MA152WK-TX
Q1202
XN4401-TX
R1215
100/RE
R1218
PAT/J6
R1209
10K/J6
C1204
0.1
ECUV1H104KBN
R1216
820/RE
C1206
0.1
ECUV1H104KBN
C1207
0.047/UBN
R1221
0/J6
R1222
10K/J6
Q1203
XN4401-TX
R1227
100/RE
R1231
PAT/J6
R1228
680/RE
R1224
10K/RE
Q1204
XN4501-TX
R1229
10K/RE
-12V (2)
-15V (2)
POWER_DET_H (2)
5V (2)
12V (2)
3.3V (2)
P.DOWN_L (2)
15V (2)
R1210
120/J6
D1206
MA3075-MTX
R1211
120/J6
D1207
MA3075-MTX
D1210
MA152WK-TX
R1212
120/J6
D1208
MA3091-MTX
R1213
270/J6
D1209
MA3160-MTX
D1211
MA152WK-TX
R1234
1500/J6
D1215
MA152K-TX
D1221
MA3270-MTX
D1214
MA152K-TX
D1203
MA152WA-TX
D1205
MA152WA-TX
D1222
MA3270-MTX
D1213
MA3160-MTX
D1212
MA152WA-TX
QR1202
UN2113-TX
R1235
47K/J6
R1230
47K/J6
R1226
47K/J6
D1216
MA152K-TX
Q1205
2SD601A-QRTX
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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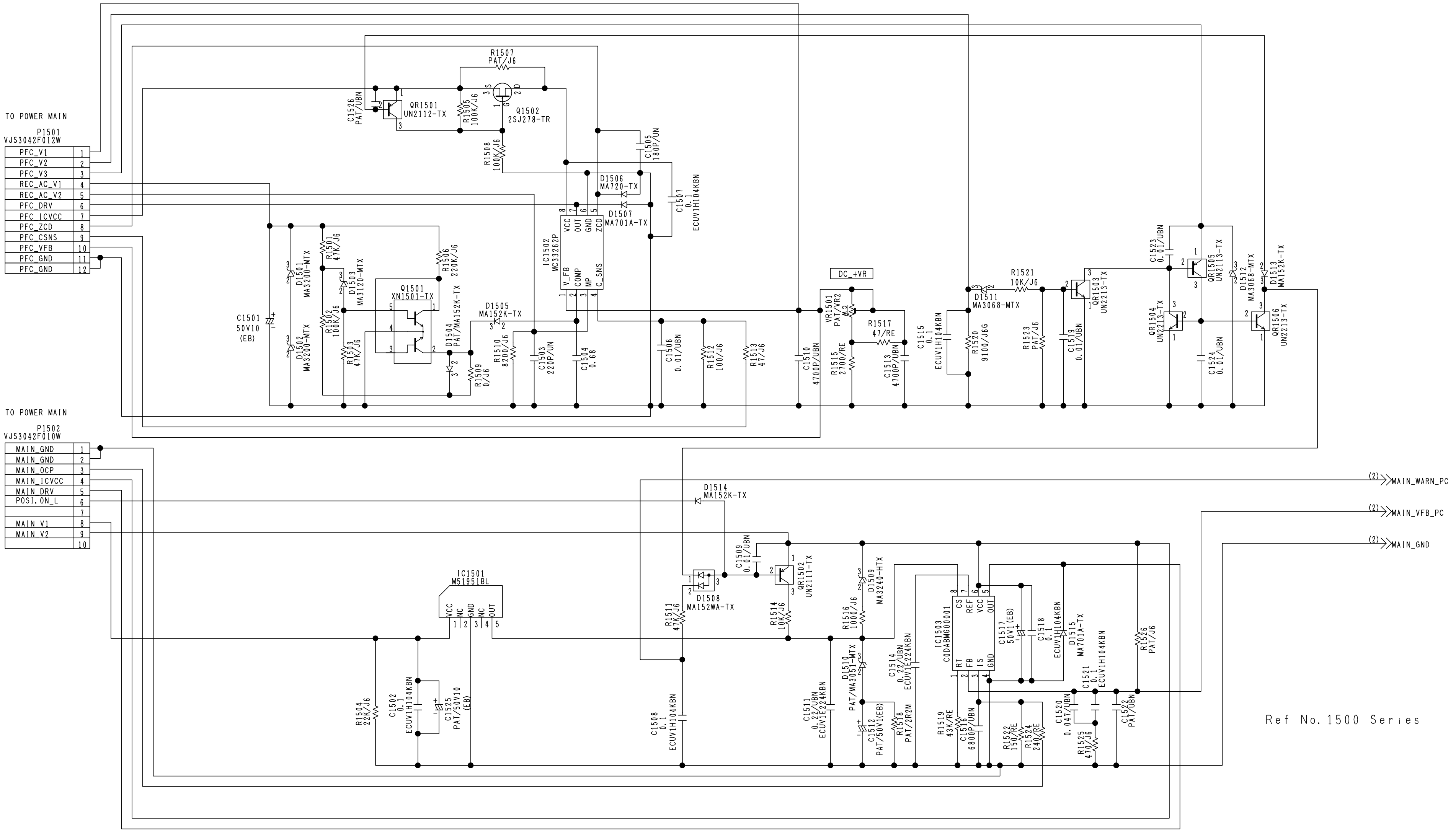
Ref No.1200 Series

COMPONENT NAME
POWER MAIN
03/03

CIRCUIT BOARD NO.
VEP61294A

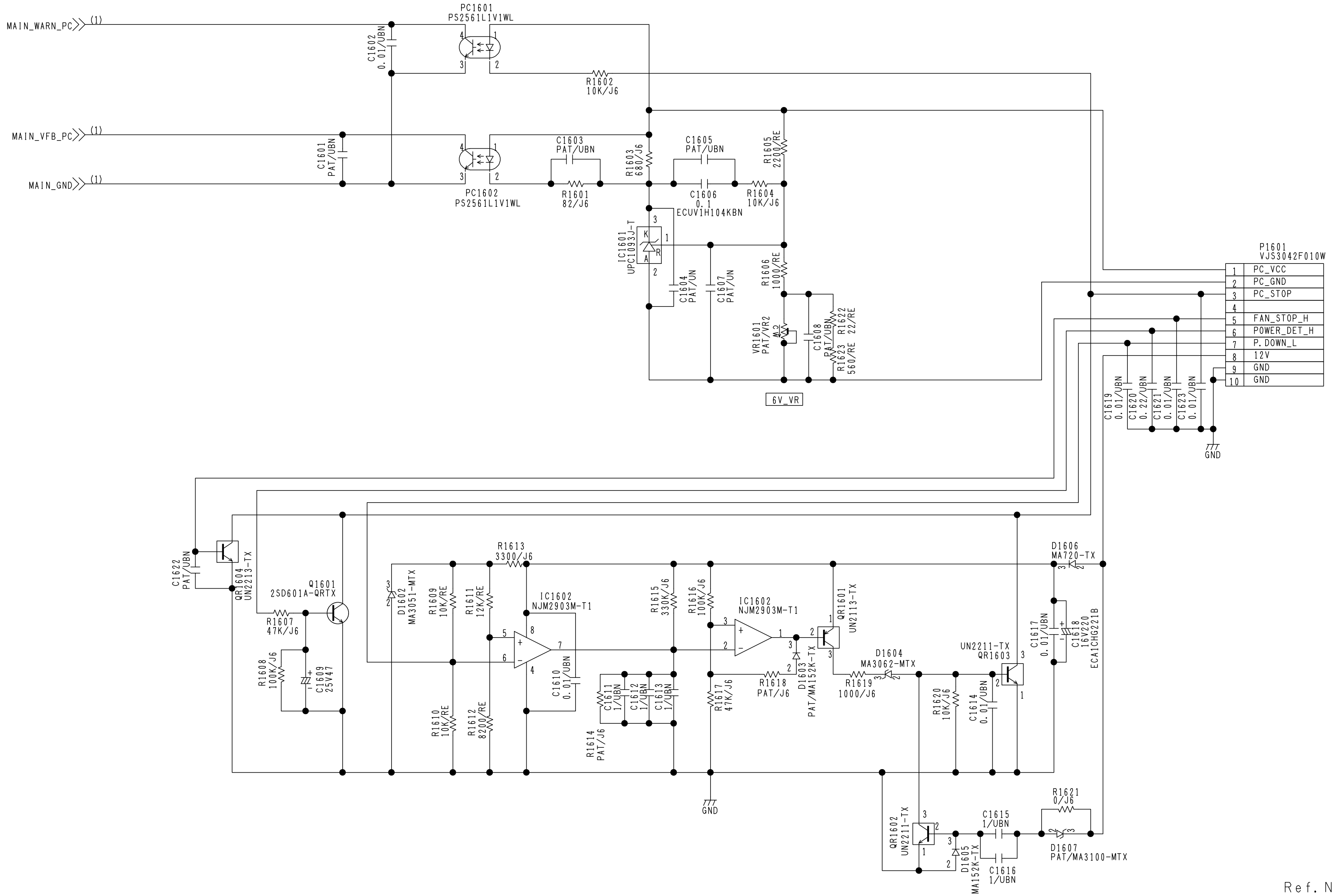
DRAWING NO.
KR1F97 (3/3)
(1)

SCM058


TO POWER MAIN
P1501
VJS3042F012W
PFC_V1
PFC_V2
PFC_V3
REC_AC_V1
REC_AC_V2
PFC_DRV
PFC_ICVCC
PFC_ZCD
PFC_CSNS
PFC_VFB
PFC_GND
PFC_GND
TO POWER MAIN
P1502
VJS3042F010W
MAIN_GND
MAIN_GND
MAIN_OCP
MAIN_ICVCC
MAIN_DRV
POSI.ON_L
MAIN_V1
MAIN_V2
R1507 PAT/J6
C1526 PAT/UBN
QR1501 UN2112-TX
R1505 100K/J6
Q1502 2SJ278-TR
C1505 180P/UN
R1508 100K/J6
D1506 MA720-TX
D1507 MA701A-TX
C1507 0.1 ECUV1H104KBN
IC1502 MC33262P
VCC OUT GND ZCD
V_FB COMP MP C_SNS
R1501 47K/J6
R1506 220K/J6
D1501 MA3200-MTX
D1503 MA3120-MTX
Q1501 XN1501-TX
C1501 50V10 (EB)
R1502 100K/J6
D1504 PAT/MA152K-TX
D1505 MA152K-TX
D1502 MA3200-MTX
R1503 47K/J6
R1509 0/J6
R1510 8200/J6
C1503 220P/UN
C1504 0.68
C1506 0.01/UBN
R1512 100/J6
R1513 47/J6
C1510 4700P/UBN
DC_+VR
VR1501 PAT/VR2
R1515 2700/RE
R1517 47/RE
C1513 4700P/UBN
C1515 0.1 ECUV1H104KBN
D1511 MA3068-MTX
R1520 9100/J6G
R1521 10K/J6
R1523 PAT/J6
C1519 0.01/UBN
QR1503 UN2213-TX
C1523 0.01/UBN
QR1505 UN2113-TX
QR1504 UN2213-TX
C1524 0.01/UBN
D1512 MA3068-MTX
D1513 MA152K-TX
QR1506 UN2213-TX
(2) MAIN_WARN_PC
(2) MAIN_VFB_PC
(2) MAIN_GND
D1514 MA152K-TX
IC1501 M51951BL
VCC NC GND NC OUT
C1509 0.01/UBN
QR1502 UN2111-TX
D1508 MA152WA-TX
R1511 47K/J6
R1514 10K/J6
R1516 1000/J6
D1509 MA3240-HTX
IC1503 C0DABM000001
CS REF VCC OUT
RT FB IS GND
C1517 50V1(EB)
C1518 0.1 ECUV1H104KBN
D1515 MA701A-TX
R1526 PAT/J6
R1504 22K/J6
C1502 0.1 ECUV1H104KBN
C1525 PAT/50V10 (EB)
C1508 0.1 ECUV1H104KBN
C1511 0.22/UBN ECUV1E224KBN
D1510 PAT/MA3051-MTX
C1514 0.22/UBN ECUV1E224KBN
C1512 PAT/50V1(EB)
R1518 PAT/2R2M
R1519 43K/RE
C1516 6800P/UBN
R1522 150/RE
R1524 240/RE
C1520 0.047/UBN
C1521 0.1 ECUV1H104KBN
R1525 470/J6
C1522 PAT/UBN

Ref No. 1500 Series

COMPONENT NAME	POWER SUB		01/02
CIRCUIT BOARD NO.		DRAWING NO.	
VEP61295A		KR1F98 (1/2) (0)	
		SCM059	


MAIN_WARN_PC (1)
MAIN_VFB_PC (1)
MAIN_GND (1)
PC1601
PS2561L1V1WL
C1602
0.01/UBN
R1602
10K/J6
C1601
PAT/UBN
PC1602
PS2561L1V1WL
C1603
PAT/UBN
R1601
82/J6
R1603
680/J6
C1605
PAT/UBN
C1606
0.1
ECUV1H104KBN
R1605
2200/RE
R1604
10K/J6
IC1601
UPC1093J-T
K
R
A
C1604
PAT/UN
C1607
PAT/UN
R1606
1000/RE
VR1601
PAT/VR2
C1608
PAT/UBN
R1622
22/RE
R1623
560/RE
6V_VR
P1601
VJS3042F010W
1 PC_VCC
2 PC_GND
3 PC_STOP
4
5 FAN_STOP_H
6 POWER_DET_H
7 P.DOWN_L
8 12V
9 GND
10 GND
C1619
0.01/UBN
C1620
0.22/UBN
C1621
0.01/UBN
C1623
0.01/UBN
GND
C1622
PAT/UBN
QR1604
UN2213-TX
Q1601
2SD601A-QRTX
R1607
47K/J6
R1608
100K/J6
C1609
25V47
D1602
MA3051-MTX
R1609
10K/RE
R1613
3300/J6
R1611
12K/RE
IC1602
NJM2903M-T1
C1610
0.01/UBN
R1610
10K/RE
R1612
8200/RE
R1614
PAT/J6
C1611
1/UBN
C1612
1/UBN
C1613
1/UBN
R1615
330K/J6
R1616
100K/J6
IC1602
NJM2903M-T1
R1617
47K/J6
GND
R1618
PAT/J6
D1603
PAT/MA152K-TX
QR1601
UN2113-TX
D1604
MA3062-MTX
R1619
1000/J6
R1620
10K/J6
C1614
0.01/UBN
UN2211-TX
QR1603
D1606
MA720-TX
C1617
0.01/UBN
C1618
16V220
ECA1CHG221B
QR1602
UN2211-TX
D1605
MA152K-TX
C1615
1/UBN
C1616
1/UBN
R1621
0/J6
D1607
PAT/MA3100-MTX
A
B
C
D
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F
G
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J
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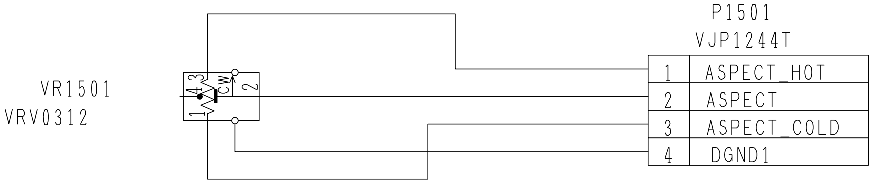
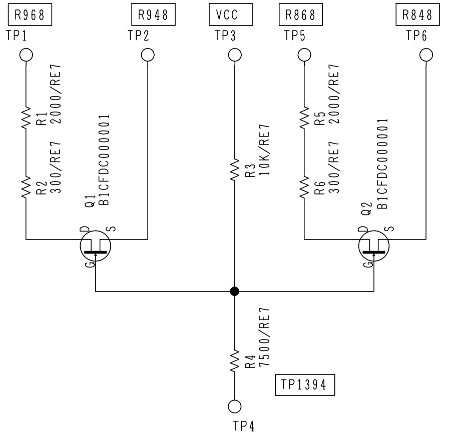
Ref. No. 1600 Series

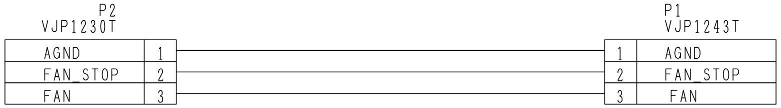
COMPONENT NAME	POWER SUB	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP61295A	KR1F98 (2/2) (0)	
	SCM060	


VR1501
VRV0312
1
4
3
CW
2
P1501
VJP1244T
1 ASPECT_HOT
2 ASPECT
3 ASPECT_COLD
4 DGND1

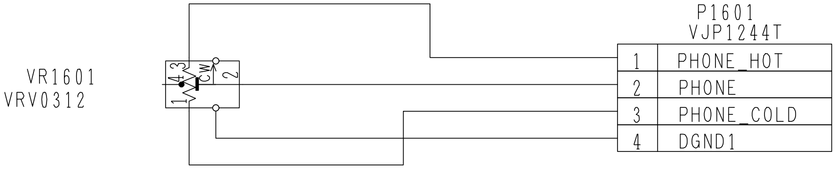
COMPONENT NAME	**ASPECT_V**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60684A	KR0R64 (1/1) (0)	
	SCM061	


R968
TP1
R948
TP2
VCC
TP3
R868
TP5
R848
TP6
R1 2000/RE7
R2 300/RE7
Q1 B1CFDC000001
D
S
G
R3 10K/RE7
R5 2000/RE7
R6 300/RE7
Q2 B1CFDC000001
D
S
G
R4 7500/RE7
TP1394
TP4

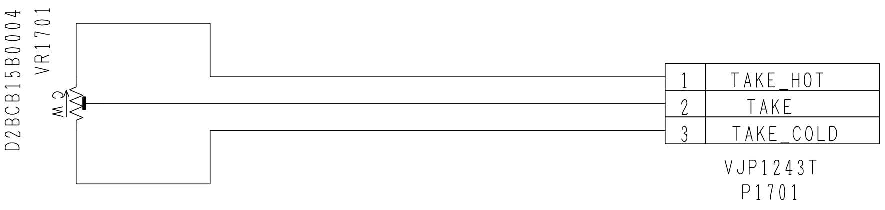
COMPONENT NAME	**GAIN-SW BOARD**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83612A	KR30473 (1/1) (0)	
	SCM061	


P2
VJP1230T
AGND 1
FAN_STOP 2
FAN 3
P1
VJP1243T
1 AGND
2 FAN_STOP
3 FAN

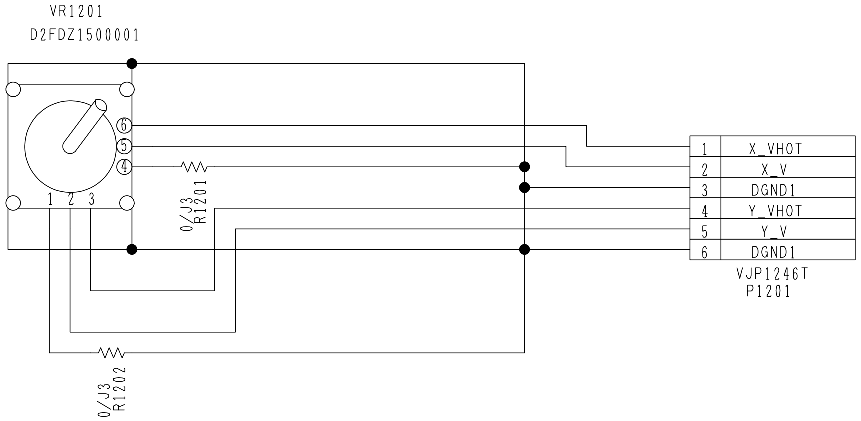
COMPONENT NAME	**FAN IF**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60686A	KR0R66 (1/1) (0)	
	SCM061	


VR1601
VRV0312
1
4
3
CW
2
P1601
VJP1244T
1 PHONE_HOT
2 PHONE
3 PHONE_COLD
4 DGND1

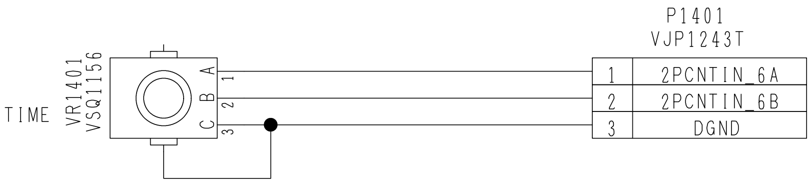
COMPONENT NAME	**PHONE_V**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60683A	KR0R63 (1/1) (0)	
	SCM061	


D2BCB15B0004
VR1701
M3
1 TAKE_HOT
2 TAKE
3 TAKE_COLD
VJP1243T
P1701

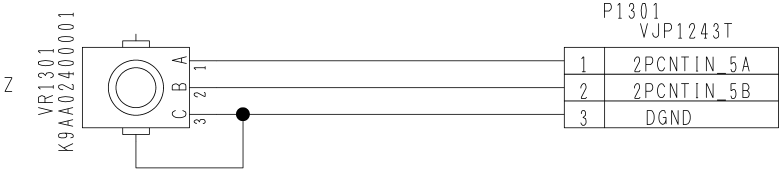
COMPONENT NAME	**TAKE_V**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60679A	KR0R60 (1/1) (0) **SCM062**	


VR1201
D2FDZ1500001
6
5
4
1 2 3
0/J3
R1201
0/J3
R1202
1 X_VHOT
2 X_V
3 DGND1
4 Y_VHOT
5 Y_V
6 DGND1
VJP1246T
P1201

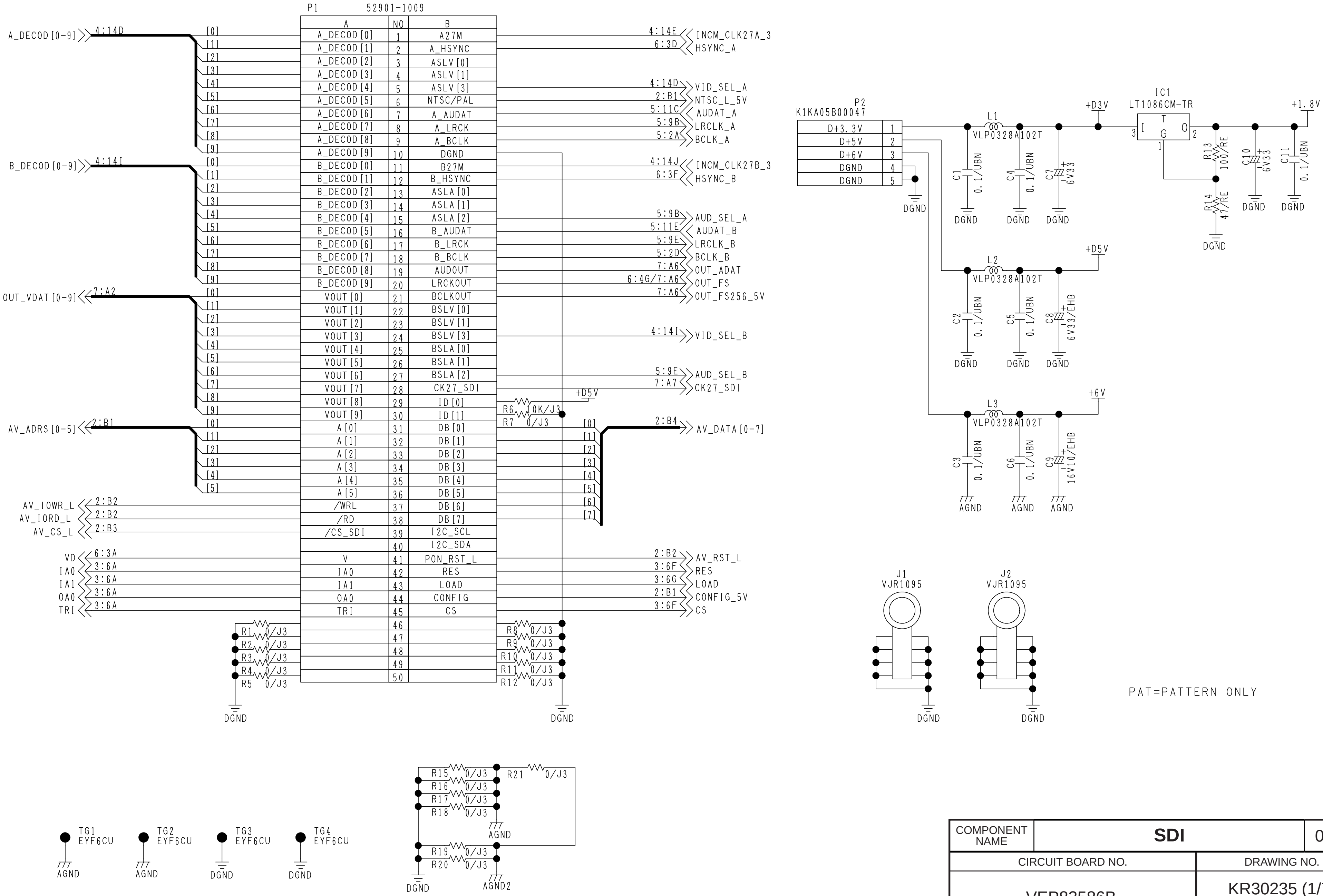
COMPONENT NAME	**COLOR_V**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60680A	KR0R61 (1/1) (0) **SCM062**	


TIME
VR1401
VSQ1156
A 1
B 2
C 3
P1401
VJP1243T
1 2PCNTIN_6A
2 2PCNTIN_6B
3 DGND

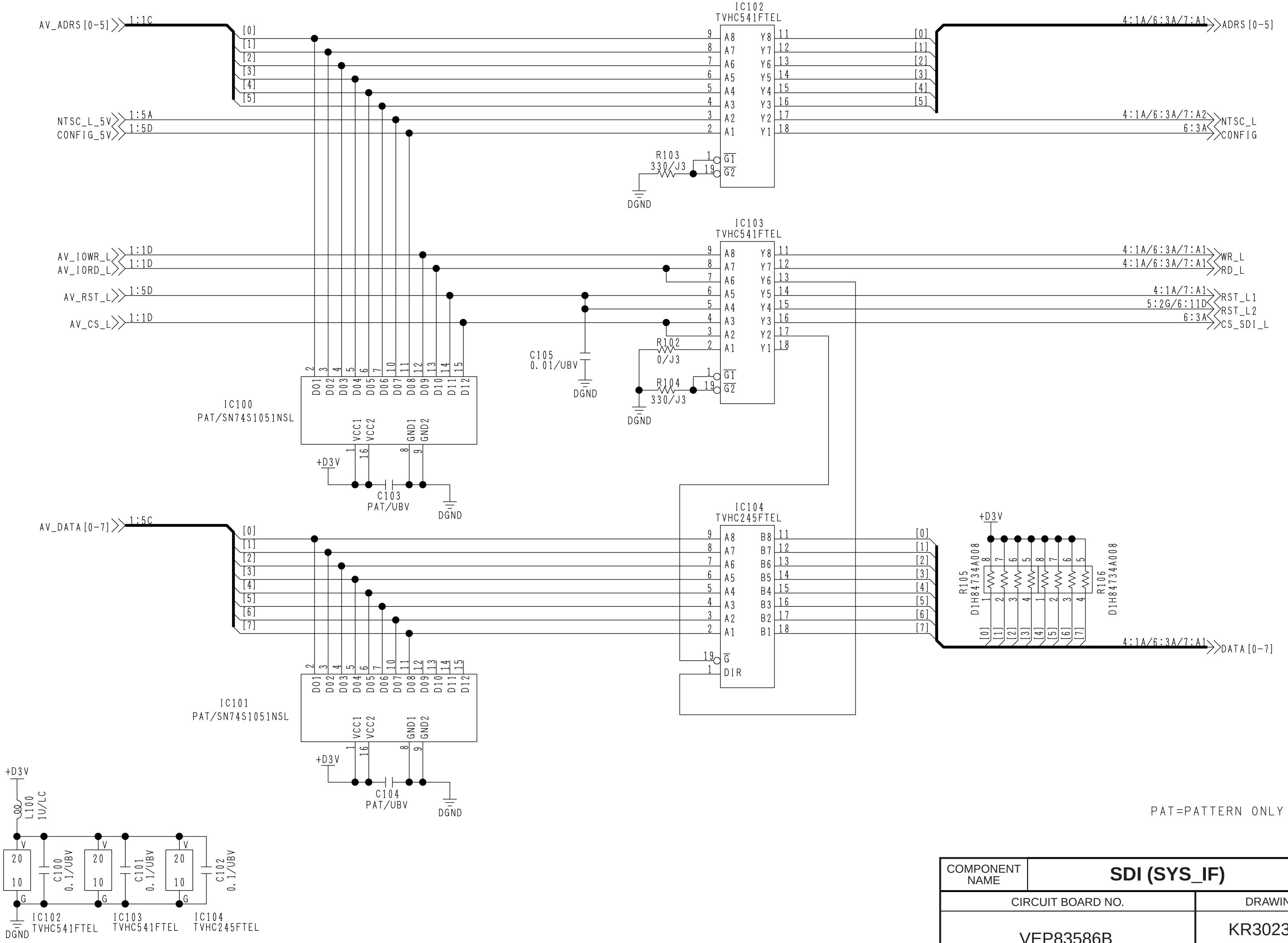
COMPONENT NAME	**TIME_ENC**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60681A	KR***** (1/1) (1) **SCM062**	


Z
VR1301
K9AA02400001
A 1
B 2
C 3
P1301
VJP1243T
1 2PCNTIN_5A
2 2PCNTIN_5B
3 DGND

COMPONENT NAME	**Z_ENC**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP60682A	KR***** (1/1) (1) **SCM062**	

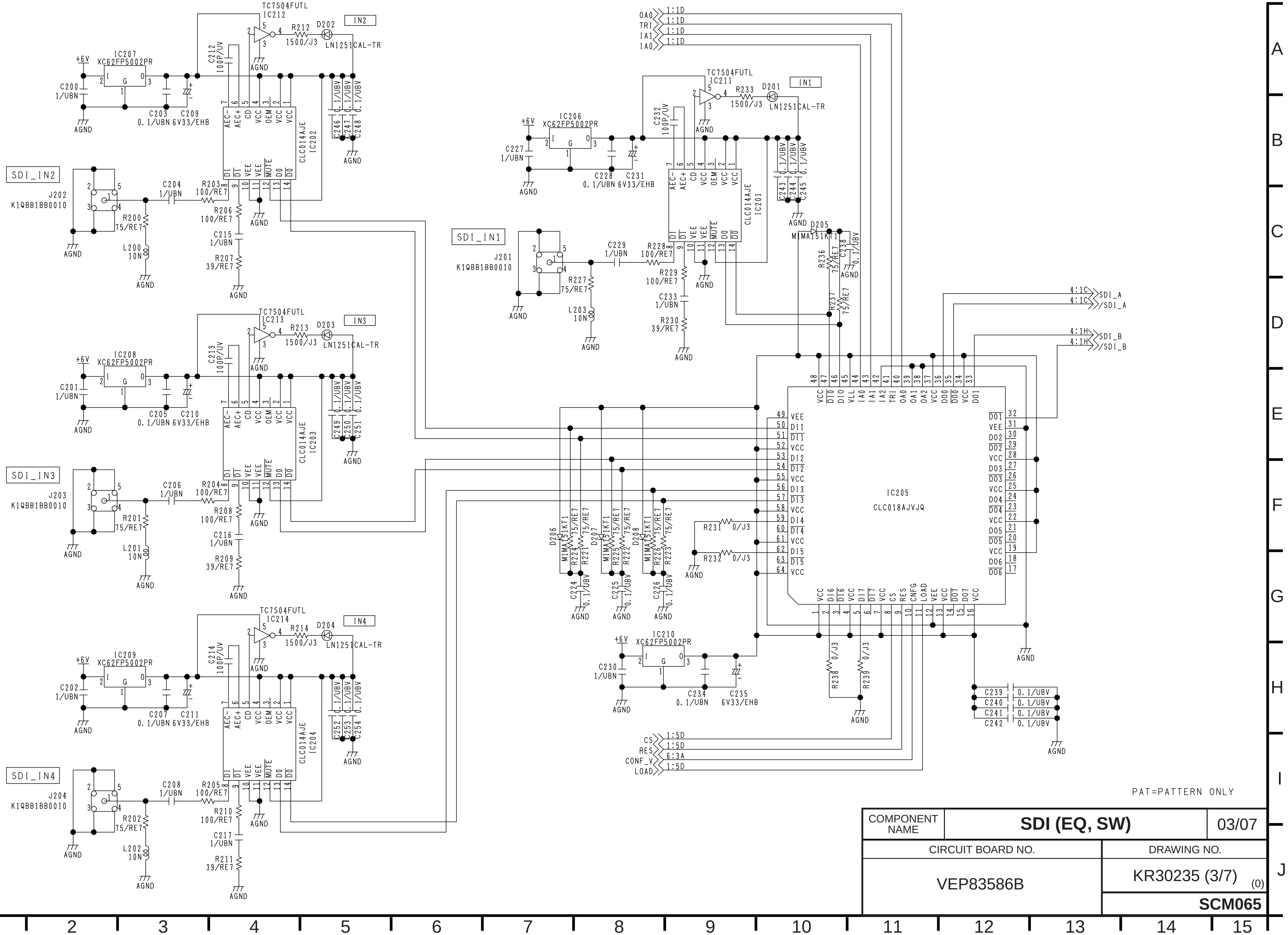

P1 52901-1009
A NO B
A_DECOD[0] 1 A27M
A_DECOD[1] 2 A_HSYNC
A_DECOD[2] 3 ASLV[0]
A_DECOD[3] 4 ASLV[1]
A_DECOD[4] 5 ASLV[3]
A_DECOD[5] 6 NTSC/PAL
A_DECOD[6] 7 A_AUDAT
A_DECOD[7] 8 A_LRCK
A_DECOD[8] 9 A_BCLK
A_DECOD[9] 10 DGND
B_DECOD[0] 11 B27M
B_DECOD[1] 12 B_HSYNC
B_DECOD[2] 13 ASLA[0]
B_DECOD[3] 14 ASLA[1]
B_DECOD[4] 15 ASLA[2]
B_DECOD[5] 16 B_AUDAT
B_DECOD[6] 17 B_LRCK
B_DECOD[7] 18 B_BCLK
B_DECOD[8] 19 AUDOUT
B_DECOD[9] 20 LRCKOUT
VOUT[0] 21 BCLKOUT
VOUT[1] 22 BSLV[0]
VOUT[2] 23 BSLV[1]
VOUT[3] 24 BSLV[3]
VOUT[4] 25 BSLA[0]
VOUT[5] 26 BSLA[1]
VOUT[6] 27 BSLA[2]
VOUT[7] 28 CK27_SDI
VOUT[8] 29 ID[0]
VOUT[9] 30 ID[1]
A[0] 31 DB[0]
A[1] 32 DB[1]
A[2] 33 DB[2]
A[3] 34 DB[3]
A[4] 35 DB[4]
A[5] 36 DB[5]
/WRL 37 DB[6]
/RD 38 DB[7]
/CS_SDI 39 I2C_SCL
40 I2C_SDA
V 41 PON_RST_L
IA0 42 RES
IA1 43 LOAD
OA0 44 CONFIG
TRI 45 CS
46
47
48
49
50
A_DECOD[0-9] 4:14D
B_DECOD[0-9] 4:14I
OUT_VDAT[0-9] 7:A2
AV_ADRS[0-5] 2:B1
[0] [1] [2] [3] [4] [5] [6] [7] [8] [9]
AV_IOWR_L 2:B2
AV_IORD_L 2:B2
AV_CS_L 2:B3
VD 6:3A
IA0 3:6A
IA1 3:6A
OA0 3:6A
TRI 3:6A
4:14E INCM_CLK27A_3
6:3D HSYNC_A
4:14D VID_SEL_A
2:B1 NTSC_L_5V
5:11C AUDAT_A
5:9B LRCLK_A
5:2A BCLK_A
4:14J INCM_CLK27B_3
6:3F HSYNC_B
5:9B AUD_SEL_A
5:11E AUDAT_B
5:9E LRCLK_B
5:2D BCLK_B
7:A6 OUT_ADAT
6:4G/7:A6 OUT_FS
7:A6 OUT_FS256_5V
4:14I VID_SEL_B
5:9E AUD_SEL_B
7:A7 CK27_SDI
+D5V
R6 10K/J3
R7 0/J3
2:B4 AV_DATA[0-7]
2:B2 AV_RST_L
3:6F RES
3:6G LOAD
2:B1 CONFIG_5V
3:6F CS
R1 0/J3
R2 0/J3
R3 0/J3
R4 0/J3
R5 0/J3
R8 0/J3
R9 0/J3
R10 0/J3
R11 0/J3
R12 0/J3
DGND
DGND
P2 K1KA05B00047
D+3.3V 1
D+5V 2
D+6V 3
DGND 4
DGND 5
DGND
L1 VLP0328A102T
+D3V
C1 0.1/UBN
C4 0.1/UBN
C7 6V33
DGND DGND DGND
IC1 LT1086CM-TR
I T O
3 G 2
1
+1.8V
R13 100/RE
R14 47/RE
C10 6V33
C11 0.1/UBN
DGND DGND DGND
L2 VLP0328A102T
+D5V
C2 0.1/UBN
C5 0.1/UBN
C8 6V33/EHB
DGND DGND DGND
L3 VLP0328A102T
+6V
C3 0.1/UBN
C6 0.1/UBN
C9 16V10/EHB
AGND AGND AGND
J1 VJR1095
J2 VJR1095
DGND DGND
PAT=PATTERN ONLY
R15 0/J3
R16 0/J3
R17 0/J3
R18 0/J3
R21 0/J3
AGND
R19 0/J3
R20 0/J3
DGND AGND2
TG1 EYF6CU AGND
TG2 EYF6CU AGND
TG3 EYF6CU DGND
TG4 EYF6CU DGND
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	SDI		01/07
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83586B		KR30235 (1/7) (0)	
		SCM063	


AV_ADRS[0-5]
1:1C
[0]
[1]
[2]
[3]
[4]
[5]
IC102
TVHC541FTEL
A8 A7 A6 A5 A4 A3 A2 A1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1
G1
G2
4:1A/6:3A/7:A1
ADRS[0-5]
NTSC_L_5V
1:5A
CONFIG_5V
1:5D
4:1A/6:3A/7:A2
NTSC_L
6:3A
CONFIG
R103
330/J3
DGND
IC103
TVHC541FTEL
AV_IOWR_L
1:1D
AV_IORD_L
1:1D
AV_RST_L
1:5D
AV_CS_L
1:1D
4:1A/6:3A/7:A1
WR_L
4:1A/6:3A/7:A1
RD_L
4:1A/7:A1
RST_L1
5:2G/6:11D
RST_L2
6:3A
CS_SDI_L
C105
0.01/UBV
DGND
R102
0/J3
R104
330/J3
DGND
IC100
PAT/SN74S1051NSL
D01 D02 D03 D04 D05 D06 D07 D08 D09 D10 D11 D12
VCC1 VCC2
GND1 GND2
+D3V
C103
PAT/UBV
DGND
IC104
TVHC245FTEL
AV_DATA[0-7]
1:5C
[0]
[1]
[2]
[3]
[4]
[5]
[6]
[7]
A8 A7 A6 A5 A4 A3 A2 A1
B8 B7 B6 B5 B4 B3 B2 B1
G
DIR
+D3V
R105
D1H84734A008
R106
D1H84734A008
4:1A/6:3A/7:A1
DATA[0-7]
IC101
PAT/SN74S1051NSL
D01 D02 D03 D04 D05 D06 D07 D08 D09 D10 D11 D12
VCC1 VCC2
GND1 GND2
+D3V
C104
PAT/UBV
DGND
+D3V
L100
1U/LC
C100
0.1/UBV
C101
0.1/UBV
C102
0.1/UBV
IC102
TVHC541FTEL
IC103
TVHC541FTEL
IC104
TVHC245FTEL
DGND

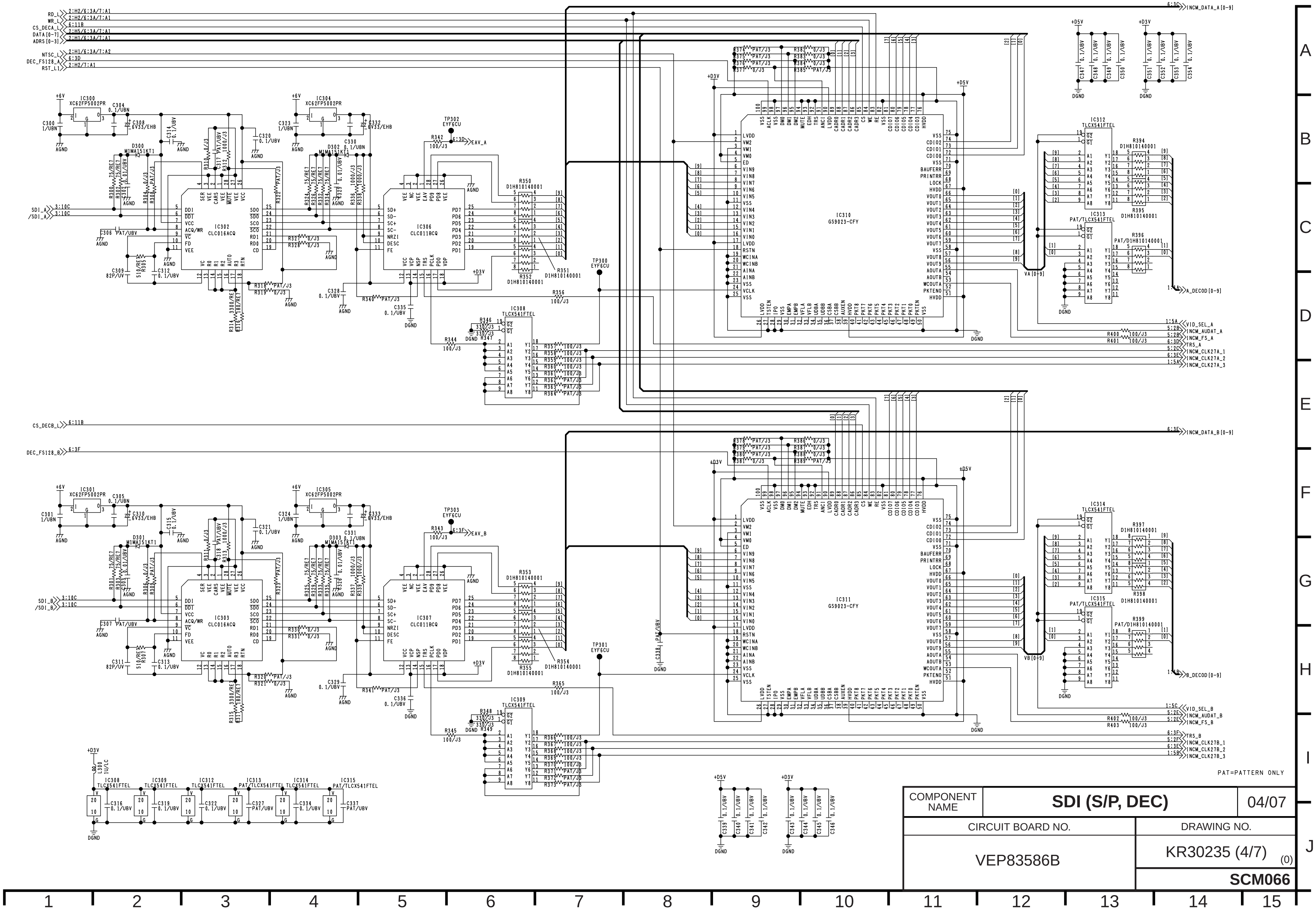
PAT=PATTERN ONLY

COMPONENT NAME	SDI (SYS_IF)	02/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (2/7) (0)	
	SCM064	

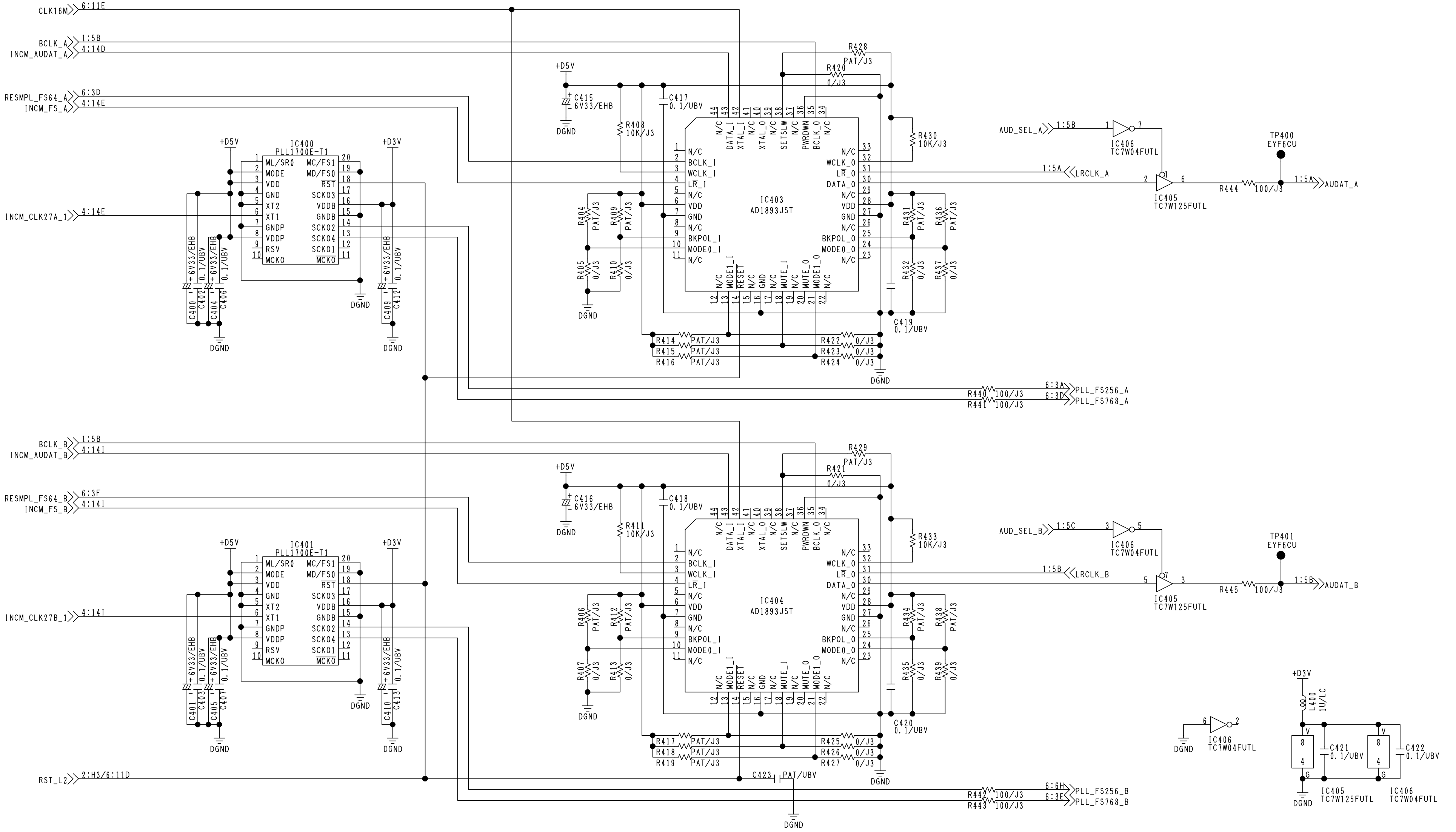


SDI_IN1
SDI_IN2
SDI_IN3
SDI_IN4
J201
J202
J203
J204
K1QBB1BB0010
IC201
IC202
IC203
IC204
CLC014AJE
IC205
CLC018AJVJQ
IC206
IC207
IC208
IC209
IC210
XC62FP5002PR
IC211
IC212
IC213
IC214
TC7S04FUTL
D201
D202
D203
D204
LN1251CAL-TR
IN1
IN2
IN3
IN4
D205
D206
D207
D208
MIMA151KT1
+6V
AGND
OA0
TRI
IA1
IA0
1:1D
4:1C
4:1H
SDI_A
/SDI_A
SDI_B
/SDI_B
CS
RES
CONF_V
LOAD
1:5D
6:3A
R231 0/J3
R232 0/J3
R238 0/J3
R239 0/J3
C239
C240
C241
C242
0.1/UBV
PAT=PATTERN ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	SDI (EQ, SW)	03/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (3/7) (0)	
	SCM065	


RD_L
WR_L
CS_DECA_L
DATA[0-7]
ADRS[0-3]
NTSC_L
DEC_FS128_A
RST_L1
CS_DECB_L
DEC_FS128_B
SDI_A
/SDI_A
SDI_B
/SDI_B
IC300 XC62FP5002PR
IC301 XC62FP5002PR
IC304 XC62FP5002PR
IC305 XC62FP5002PR
IC302 CLC016ACQ
IC303 CLC016ACQ
IC306 CLC011BCQ
IC307 CLC011BCQ
IC308 TLCX541FTEL
IC309 TLCX541FTEL
IC310 G59023-CFY
IC311 G59023-CFY
IC312 TLCX541FTEL
IC313 PAT/TLCX541FTEL
IC314 TLCX541FTEL
IC315 PAT/TLCX541FTEL
D300 M1MA151KT1
D301 M1MA151KT1
D302 M1MA151KT1
D303 M1MA151KT1
TP300 EYF6CU
TP301 EYF6CU
TP302 EYF6CU
TP303 EYF6CU
L300 1U/LC
EAV_A
EAV_B
INCM_DATA_A[0-9]
INCM_DATA_B[0-9]
A_DECOD[0-9]
B_DECOD[0-9]
VA[0-9]
VB[0-9]
VID_SEL_A
INCM_AUDAT_A
INCM_FS_A
TRS_A
INCM_CLK27A_1
INCM_CLK27A_2
INCM_CLK27A_3
VID_SEL_B
INCM_AUDAT_B
INCM_FS_B
TRS_B
INCM_CLK27B_1
INCM_CLK27B_2
INCM_CLK27B_3
+6V
+D3V
+D5V
AGND
DGND
PAT=PATTERN ONLY
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	SDI (S/P, DEC)	04/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (4/7) (0)	
	SCM066	



CLK16M 6:11E
BCLK_A 1:5B
INCM_AUDAT_A 4:14D
RESMPL_FS64_A 6:3D
INCM_FS_A 4:14E
INCM_CLK27A_1 4:14E
BCLK_B 1:5B
INCM_AUDAT_B 4:14I
RESMPL_FS64_B 6:3F
INCM_FS_B 4:14I
INCM_CLK27B_1 4:14I
RST_L2 2:H3/6:11D
IC400 PLL1700E-T1
IC401 PLL1700E-T1
ML/SR0
MODE
VDD
GND
XT2
XT1
GNDP
VDDP
RSV
MCKO
MC/FS1
MD/FS0
RST
SCKO3
VDDB
GNDB
SCKO2
SCKO4
SCKO1
IC403 AD1893JST
IC404 AD1893JST
N/C
BCLK_I
WCLK_I
LR_I
BKPOL_I
MODE0_I
MODE1_I
RESET
MUTE_I
MUTE_O
MODE1_O
DATA_I
XTAL_I
XTAL_O
SETSLW
PWRDWN
BCLK_O
WCLK_O
LR_O
DATA_O
BKPOL_O
MODE0_O
+D5V
+D3V
DGND
C400 6V33/EHB
C401 6V33/EHB
C402 0.1/UBV
C403 0.1/UBV
C404 6V33/EHB
C405 6V33/EHB
C406 0.1/UBV
C407 0.1/UBV
C409 6V33/EHB
C410 6V33/EHB
C412 0.1/UBV
C413 0.1/UBV
C415 6V33/EHB
C416 6V33/EHB
C417 0.1/UBV
C418 0.1/UBV
C419 0.1/UBV
C420 0.1/UBV
C421 0.1/UBV
C422 0.1/UBV
C423 PAT/UBV
R404 PAT/J3
R405 0/J3
R406 PAT/J3
R407 0/J3
R408 10K/J3
R409 PAT/J3
R410 0/J3
R411 10K/J3
R412 PAT/J3
R413 0/J3
R414 PAT/J3
R415 PAT/J3
R416 PAT/J3
R417 PAT/J3
R418 PAT/J3
R419 PAT/J3
R420 0/J3
R421 0/J3
R422 0/J3
R423 0/J3
R424 0/J3
R425 0/J3
R426 0/J3
R427 0/J3
R428 PAT/J3
R429 PAT/J3
R430 10K/J3
R431 PAT/J3
R432 0/J3
R433 10K/J3
R434 PAT/J3
R435 0/J3
R436 PAT/J3
R437 0/J3
R438 PAT/J3
R439 0/J3
R440 100/J3
R441 100/J3
R442 100/J3
R443 100/J3
R444 100/J3
R445 100/J3
6:3A PLL_FS256_A
6:3D PLL_FS768_A
6:6H PLL_FS256_B
6:3E PLL_FS768_B
AUD_SEL_A 1:5B
AUD_SEL_B 1:5C
1:5A LRCLK_A
1:5B LRCLK_B
1:5A AUDAT_A
1:5B AUDAT_B
IC406 TC7W04FUTL
IC405 TC7W125FUTL
TP400 EYF6CU
TP401 EYF6CU
L400 1U/LC
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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6
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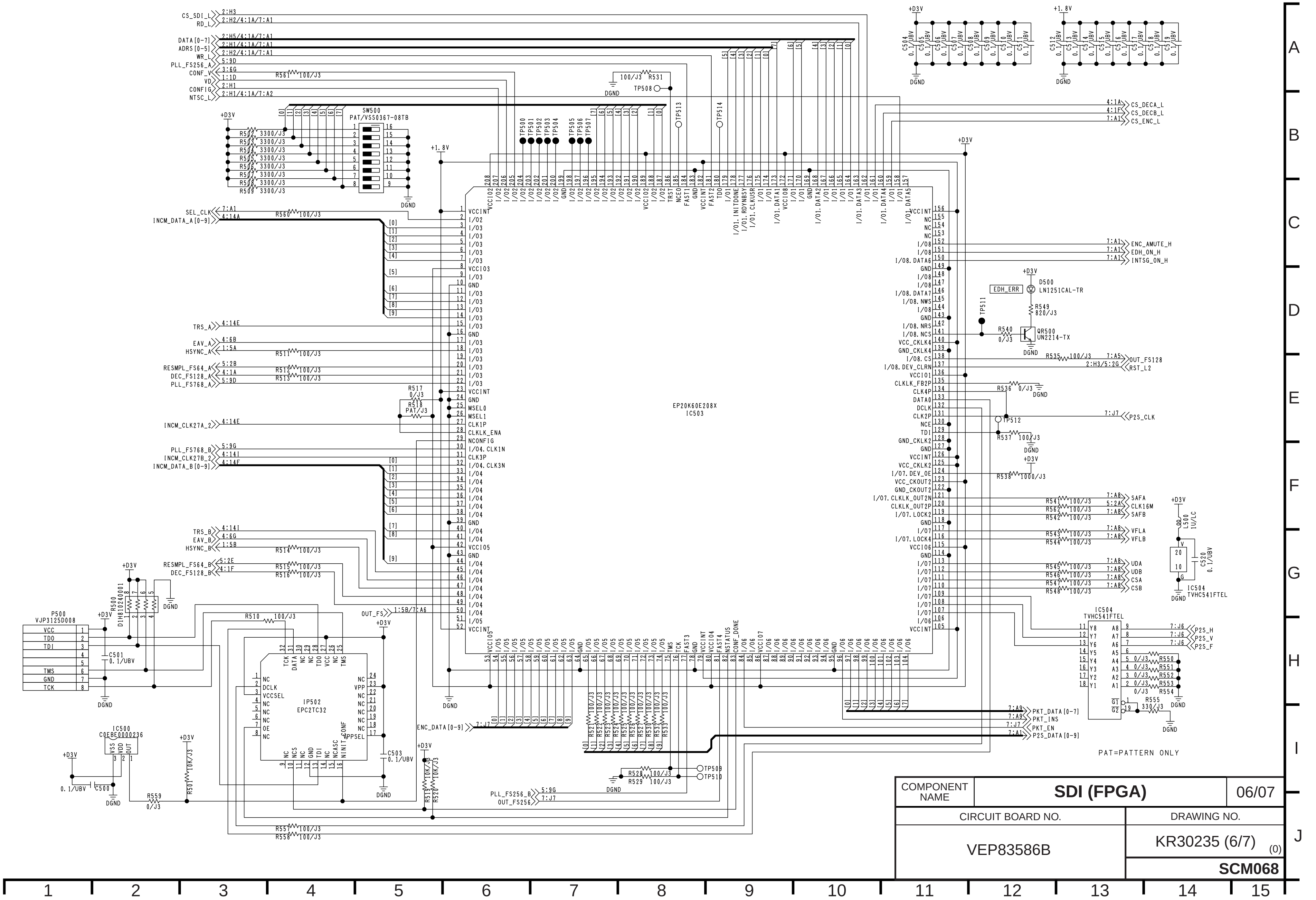
14
15

PAT=PATTERN ONLY

COMPONENT NAME	SDI (AUDIO PLL)	05/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (5/7) (0)	
	SCM067	


CS_SDI_L
RD_L
DATA[0-7]
ADRS[0-5]
WR_L
PLL_FS256_A
CONF_V
VD
CONFIG
NTSC_L
SW500
PAT/VSS0367-08TB
+D3V
R502 3300/J3
R503 3300/J3
R504 3300/J3
R505 3300/J3
R506 3300/J3
R507 3300/J3
R508 3300/J3
R509 3300/J3
DGND
+1.8V
R561 100/J3
R531 100/J3
TP508
TP513
TP514
TP500
TP501
TP502
TP503
TP504
TP505
TP506
TP507
SEL_CLK
INCM_DATA_A[0-9]
R560 100/J3
TRS_A
EAV_A
HSYNC_A
R511 100/J3
RESMPL_FS64_A
DEC_FS128_A
PLL_FS768_A
R512 100/J3
R513 100/J3
R517 0/J3
R518 PAT/J3
INCM_CLK27A_2
PLL_FS768_B
INCM_CLK27B_2
INCM_DATA_B[0-9]
TRS_B
EAV_B
HSYNC_B
R514 100/J3
RESMPL_FS64_B
DEC_FS128_B
R515 100/J3
R516 100/J3
OUT_FS
EP20K60E208X
IC503
CS_DECA_L
CS_DECB_L
CS_ENC_L
ENC_AMUTE_H
EDH_ON_H
INTSG_ON_H
EDH_ERR
D500
LN1251CAL-TR
R549 820/J3
TP511
R540 0/J3
QR500
UN2214-TX
R535 100/J3
OUT_FS128
RST_L2
R536 0/J3
TP512
P2S_CLK
R537 100/J3
R538 1000/J3
R541 100/J3
SAFA
R563 100/J3
CLK16M
R542 100/J3
SAFB
R543 100/J3
VFLA
R544 100/J3
VFLB
L500 1U/LC
C520 0.1/UBV
IC504
TVHC541FTEL
R545 100/J3
UDA
R546 100/J3
UDB
R547 100/J3
CSA
R548 100/J3
CSB
P2S_H
P2S_V
P2S_F
R550 0/J3
R551 0/J3
R552 0/J3
R553 0/J3
R554 0/J3
R555 330/J3
PKT_DATA[0-7]
PKT_INS
PKT_EN
P2S_DATA[0-9]
ENC_DATA[0-9]
R521–R530, R532–R534 100/J3
TP509
TP510
R528 100/J3
R529 100/J3
PLL_FS256_B
OUT_FS256
P500
VJP3125D008
VCC
TDO
TDI
TMS
GND
TCK
R500
D1H810240001
C501 0.1/UBV
R510 100/J3
IP502
EPC2TC32
C503 0.1/UBV
IC500
C0EBE0000236
C500 0.1/UBV
R559 0/J3
R501 10K/J3
R519 10K/J3
R520 10K/J3
R557 100/J3
R558 100/J3
C504–C511 0.1/UBV
C512–C519 0.1/UBV
PAT=PATTERN ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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11
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14
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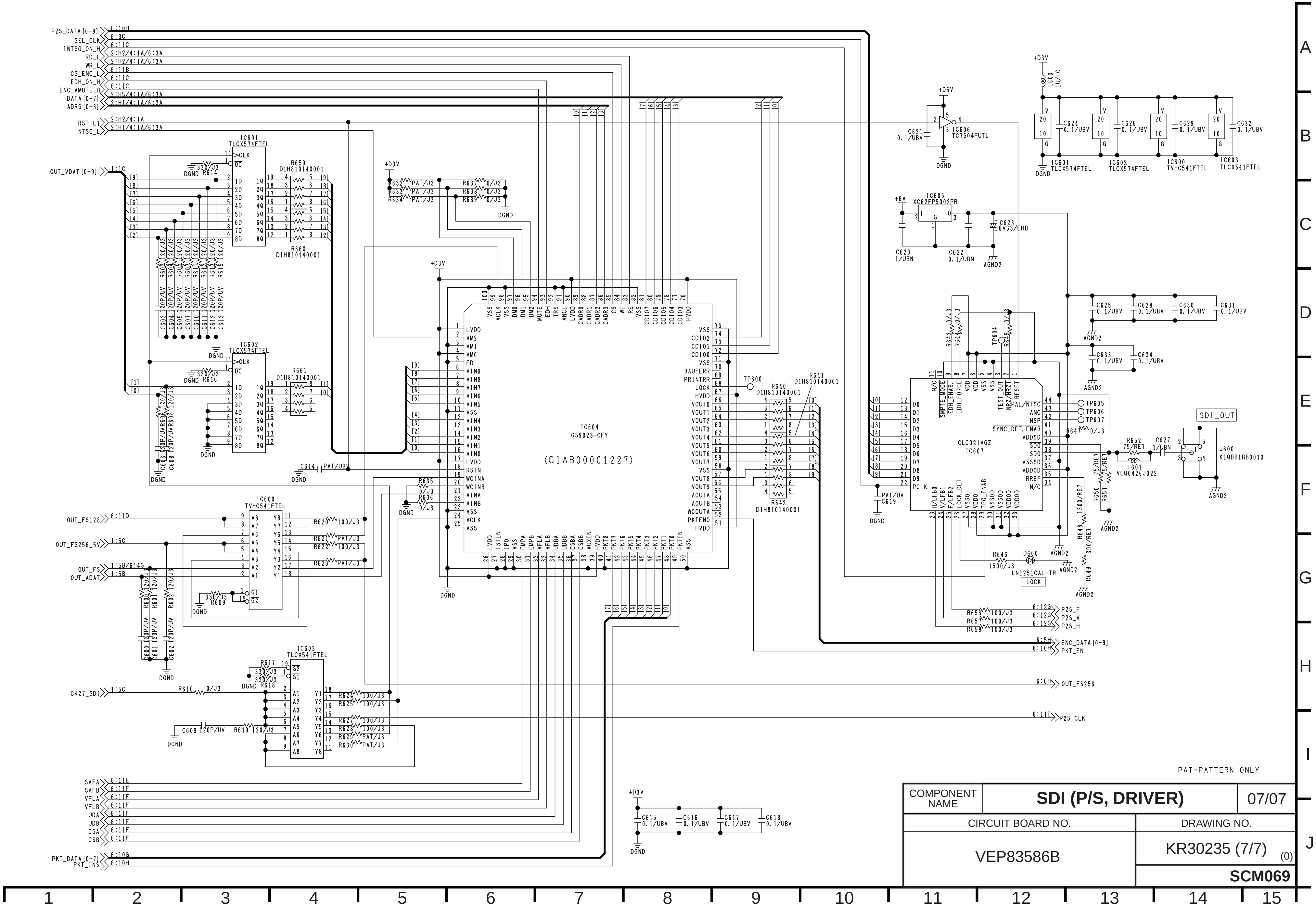
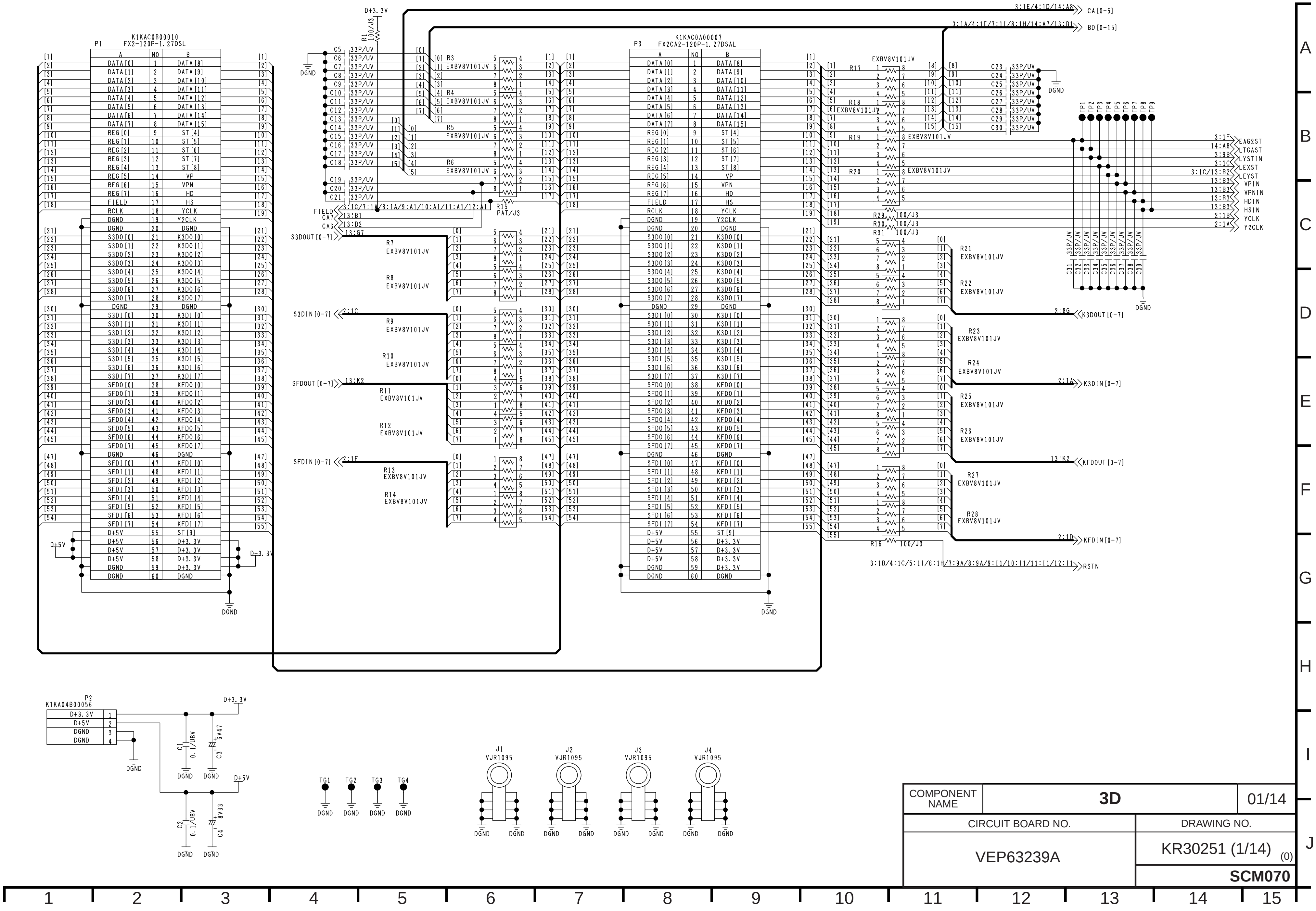
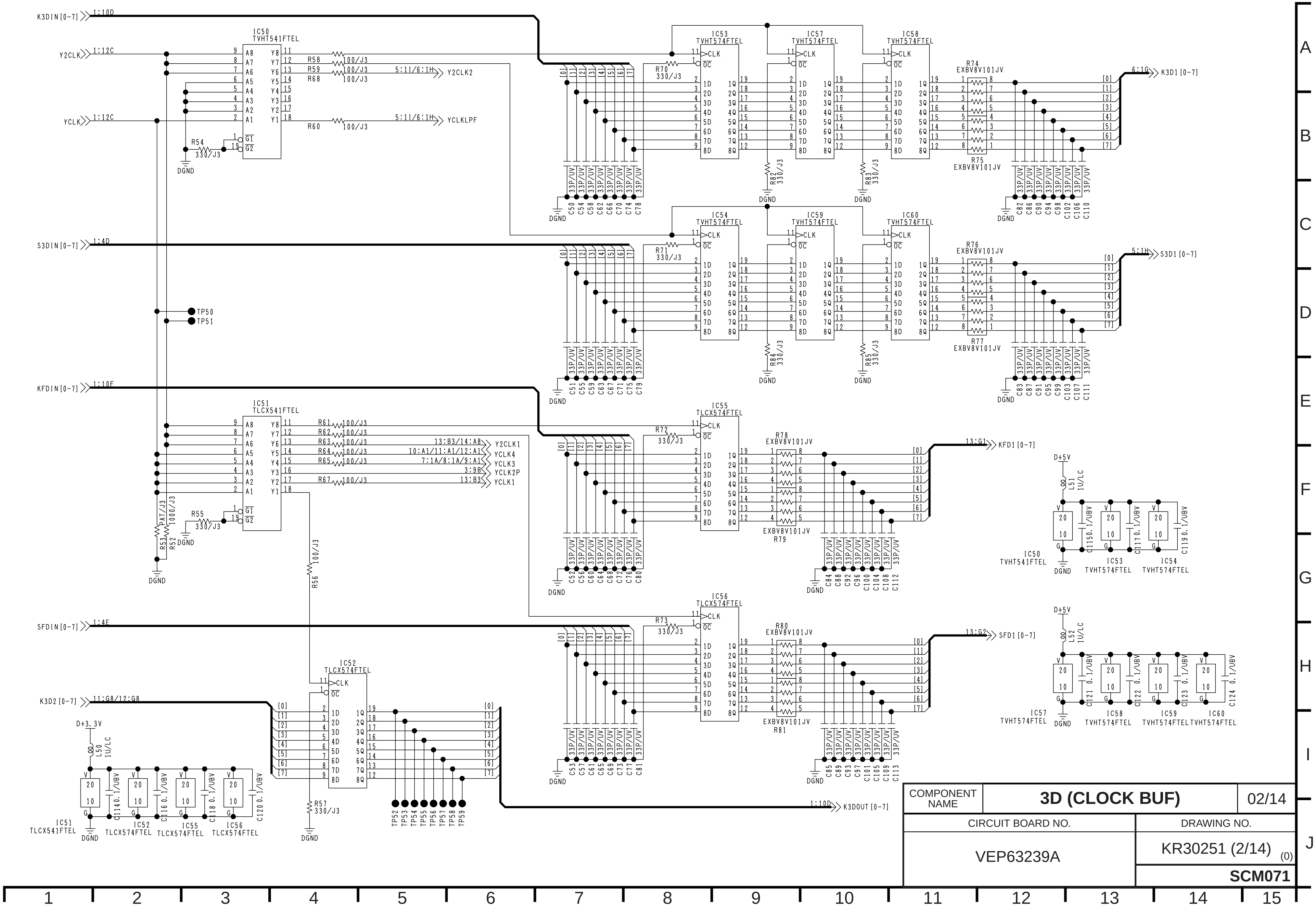
COMPONENT NAME	SDI (FPGA)	06/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (6/7) (0)	
	SCM068	


P2S_DATA[0-9]
SEL_CLK
INTSG_ON_H
RD_L
WR_L
CS_ENC_L
EDH_ON_H
ENC_AMUTE_H
DATA[0-7]
ADRS[0-3]
RST_L
NTSC_L
OUT_VDAT[0-9]
OUT_FS128
OUT_FS256_5V
OUT_FS
OUT_ADAT
CK27_SDI
SAFA
SAFB
VFLA
VFLB
UDA
UDB
CSA
CSB
PKT_DATA[0-7]
PKT_INS
IC601
TLCX574FTEL
IC602
TLCX574FTEL
IC600
TVHC541FTEL
IC603
TLCX541FTEL
IC604
GS9023-CFY
(C1AB00001227)
IC605
XC62FP5002PR
IC606
TC7S04FUTL
IC607
CLC021VGZ
R659
D1H810140001
R660
D1H810140001
R661
D1H810140001
R640
D1H810140001
R641
D1H810140001
R642
D1H810140001
TP600
TP604
TP605
TP606
TP607
D600
LN1251CAL-TR
LOCK
L600
1U/LC
L601
VLQ0426J022
J600
K1QBB1BB0010
SDI_OUT
ENC_DATA[0-9]
PKT_EN
OUT_FS256
P2S_CLK
P2S_F
P2S_V
P2S_H
+D3V
+D5V
+6V
DGND
AGND2
PAT=PATTERN ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	SDI (P/S, DRIVER)	07/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83586B	KR30235 (7/7) (0)	
	SCM069	


P1
K1KAC0B00010
FX2-120P-1.27DSL
P3
K1KAC0A00007
FX2CA2-120P-1.27DSAL
P2
K1KA04B00056
D+3.3V
D+5V
DGND
R1 100/J3
R3 EXBV8V101JV
R4 EXBV8V101JV
R5 EXBV8V101JV
R6 EXBV8V101JV
R7 EXBV8V101JV
R8 EXBV8V101JV
R9 EXBV8V101JV
R10 EXBV8V101JV
R11 EXBV8V101JV
R12 EXBV8V101JV
R13 EXBV8V101JV
R14 EXBV8V101JV
R15 PAT/J3
R16 100/J3
R17
R18 EXBV8V101JV
R19 EXBV8V101JV
R20 EXBV8V101JV
R21 EXBV8V101JV
R22 EXBV8V101JV
R23 EXBV8V101JV
R24 EXBV8V101JV
R25 EXBV8V101JV
R26 EXBV8V101JV
R27 EXBV8V101JV
R28 EXBV8V101JV
R29 100/J3
R30 100/J3
R31 100/J3
C5–C30 33P/UV
C31–C39 33P/UV
C1 0.1/UBV
C2 0.1/UBV
C3 6V47
C4 6V33
3:1E/4:1D/14:A8 CA[0-5]
3:1A/4:1E/7:1I/8:1H/14:A7/13:B1 BD[0-15]
FIELD 3:1C/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1
CA7 13:B1
CA6 13:B2
S3DOUT[0-7] 13:G7
S3DIN[0-7] 2:1C
SFDOUT[0-7] 13:K2
SFDIN[0-7] 2:1F
3:1F EAG2ST
14:A8 LTGAST
3:9B LYSTIN
3:1C LEXST
3:1C/13:B2 LEYST
13:B3 VPIN
13:B3 VPNIN
13:B3 HDIN
13:B3 HSIN
2:1B YCLK
2:1A Y2CLK
2:8G K3DOUT[0-7]
2:1A K3DIN[0-7]
13:K2 KFDOUT[0-7]
2:1D KFDIN[0-7]
3:1B/4:1C/5:1I/6:1H/7:9A/8:9A/9:1I/10:1I/11:1I/12:1I RSTN
TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9
TG1 TG2 TG3 TG4
J1 VJR1095
J2 VJR1095
J3 VJR1095
J4 VJR1095
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

COMPONENT NAME	3D	01/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (1/14) (0)	
	SCM070	


K3DIN[0-7]
1:10D
Y2CLK
1:12C
YCLK
1:12C
IC50
TVHT541FTEL
R54
330/J3
DGND
R58
R59
R68
R60
100/J3
5:11/6:1H
Y2CLK2
YCLKPF
IC53
TVHT574FTEL
IC57
TVHT574FTEL
IC58
TVHT574FTEL
R70
330/J3
R82
330/J3
R83
330/J3
R74
EXBV8V101JV
R75
EXBV8V101JV
6:1G
K3D1[0-7]
C50 C54 C58 C62 C66 C70 C74 C78
33P/UV
C82 C86 C90 C94 C98 C102 C106 C110
S3DIN[0-7]
1:4D
IC54
TVHT574FTEL
IC59
TVHT574FTEL
IC60
TVHT574FTEL
R71
330/J3
R84
330/J3
R85
330/J3
R76
EXBV8V101JV
R77
EXBV8V101JV
5:1H
S3D1[0-7]
C51 C55 C59 C63 C67 C71 C75 C79
C83 C87 C91 C95 C99 C103 C107 C111
TP50
TP51
KFDIN[0-7]
1:10F
IC51
TLCX541FTEL
R61
R62
R63
R64
R65
R67
100/J3
13:B3/14:A8
10:A1/11:A1/12:A1
7:1A/8:1A/9:A1
3:9B
13:B3
Y2CLK1
YCLK4
YCLK3
YCLK2P
YCLK1
R55
330/J3
R53
PAT/J3
R52
1000/J3
R56
100/J3
IC55
TLCX574FTEL
R72
330/J3
R78
EXBV8V101JV
R79
EXBV8V101JV
13:G1
KFD1[0-7]
C52 C56 C60 C64 C68 C72 C76 C80
C84 C88 C92 C96 C100 C104 C108 C112
D+5V
L51
1U/LC
C115 0.1/UBV
C117 0.1/UBV
C119 0.1/UBV
IC50
TVHT541FTEL
IC53
TVHT574FTEL
IC54
TVHT574FTEL
SFDIN[0-7]
1:4E
IC56
TLCX574FTEL
R73
330/J3
R80
EXBV8V101JV
R81
EXBV8V101JV
13:G2
SFD1[0-7]
C53 C57 C61 C65 C69 C73 C77 C81
C85 C89 C93 C97 C101 C105 C109 C113
L52
1U/LC
C121 0.1/UBV
C122 0.1/UBV
C123 0.1/UBV
C124 0.1/UBV
IC57
TVHT574FTEL
IC58
TVHT574FTEL
IC59
TVHT574FTEL
IC60
TVHT574FTEL
K3D2[0-7]
11:G8/12:G8
IC52
TLCX574FTEL
R57
330/J3
TP52 TP53 TP54 TP55 TP56 TP57 TP58 TP59
1:10D
K3DOUT[0-7]
D+3.3V
L50
1U/LC
C114 0.1/UBV
C116 0.1/UBV
C118 0.1/UBV
C120 0.1/UBV
IC51
TLCX541FTEL
IC52
TLCX574FTEL
IC55
TLCX574FTEL
IC56
TLCX574FTEL
A
B
C
D
E
F
G
H
I
J
1
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COMPONENT NAME

3D (CLOCK BUF)

02/14

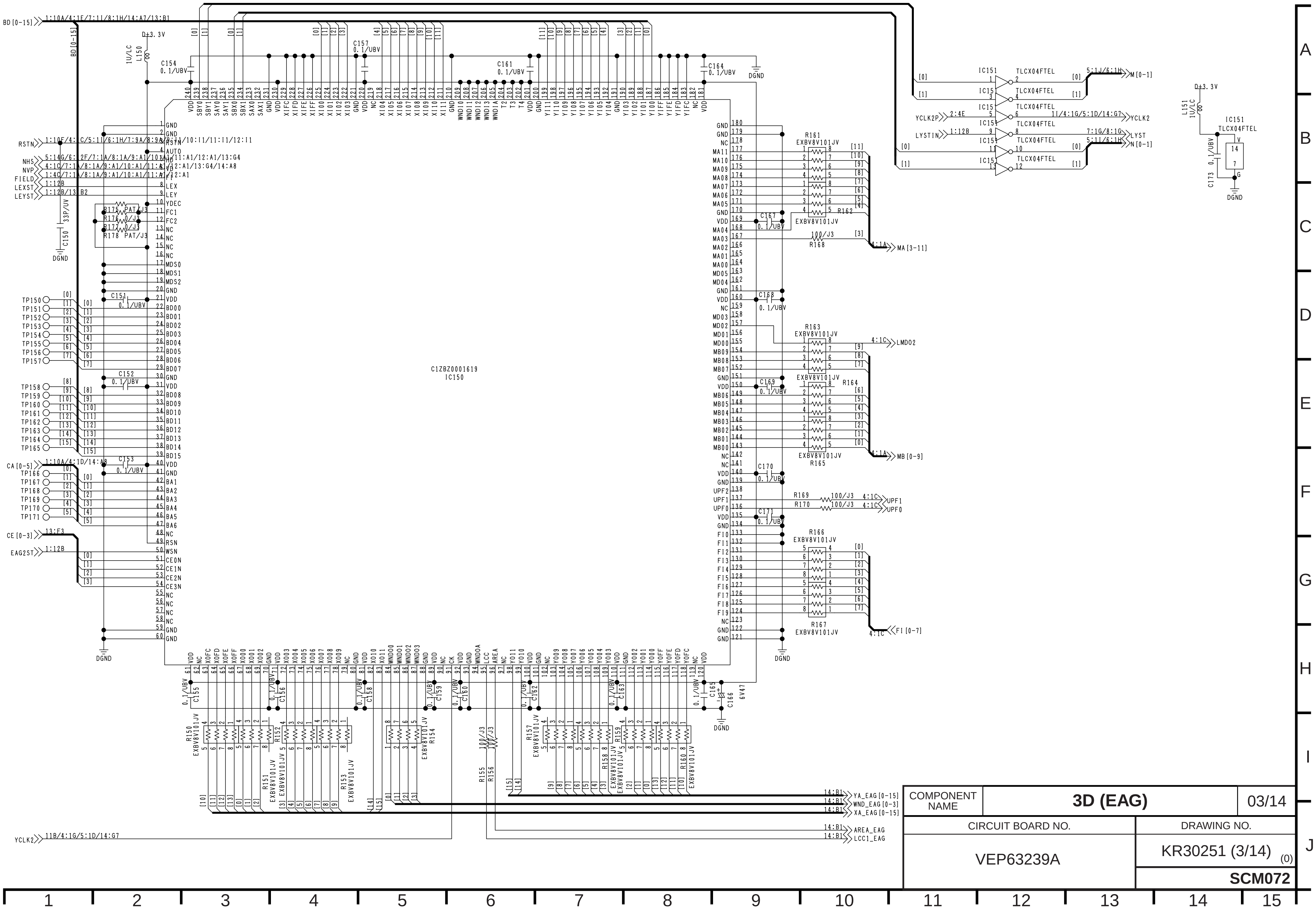
CIRCUIT BOARD NO.

VEP63239A

DRAWING NO.

KR30251 (2/14) (0)

SCM071


BD[0-15] 1:10A/4:1E/7:11/8:1H/14:A7/13:B1
RSTN
NHS
NVP
FIELD
LEXST
LEYST
CA[0-5] 1:10A/4:1D/14:A8
CE[0-3] 13:F3
EAG2ST 1:12B
YCLK2 11B/4:1G/5:1D/14:G7
D+3.3V
L150 1U/LC
C154 0.1/UBV
C157 0.1/UBV
C161 0.1/UBV
C164 0.1/UBV
C150 33P/UV
C151 0.1/UBV
C152 0.1/UBV
C153 0.1/UBV
R175 PAT/J3
R176 0/J3
R177 0/J3
R178 PAT/J3
TP150
TP151
TP152
TP153
TP154
TP155
TP156
TP157
TP158
TP159
TP160
TP161
TP162
TP163
TP164
TP165
TP166
TP167
TP168
TP169
TP170
TP171
C1ZBZ0001619
IC150
DGND
R161 EXBV8V101JV
R162 EXBV8V101JV
R163 EXBV8V101JV
R164 EXBV8V101JV
R165 EXBV8V101JV
R166 EXBV8V101JV
R167 EXBV8V101JV
R168 100/J3
R169 100/J3
R170 100/J3
C167 0.1/UBV
C168 0.1/UBV
C169 0.1/UBV
C170 0.1/UBV
C171 0.1/UBV
4:1A MA[3-11]
4:1C LMD02
4:1A MB[0-9]
4:1C UPF1
4:1C UPF0
4:1C FI[0-7]
IC151 TLCX04FTEL
M[0-1] 5:1J/6:1H
YCLK2P 2:4E
YCLK2 11/4:1G/5:1D/14:G7
LYSTIN 1:12B
LYST 7:1G/8:1G
N[0-1] 5:1J/6:1H
L151 1U/LC
C173 0.1/UBV
C155
C156
C158
C159
C160
C162
C163
C165
C166 6V47
R150 EXBV8V101JV
R151 EXBV8V101JV
R152 EXBV8V101JV
R153 EXBV8V101JV
R154 EXBV8V101JV
R155 100/J3
R156 100/J3
R157 EXBV8V101JV
R158 EXBV8V101JV
R159 EXBV8V101JV
R160 EXBV8V101JV
14:B1 YA_EAG[0-15]
14:B1 WND_EAG[0-3]
14:B1 XA_EAG[0-15]
14:B1 AREA_EAG
14:B1 LCC1_EAG
A
B
C
D
E
F
G
H
I
J
1
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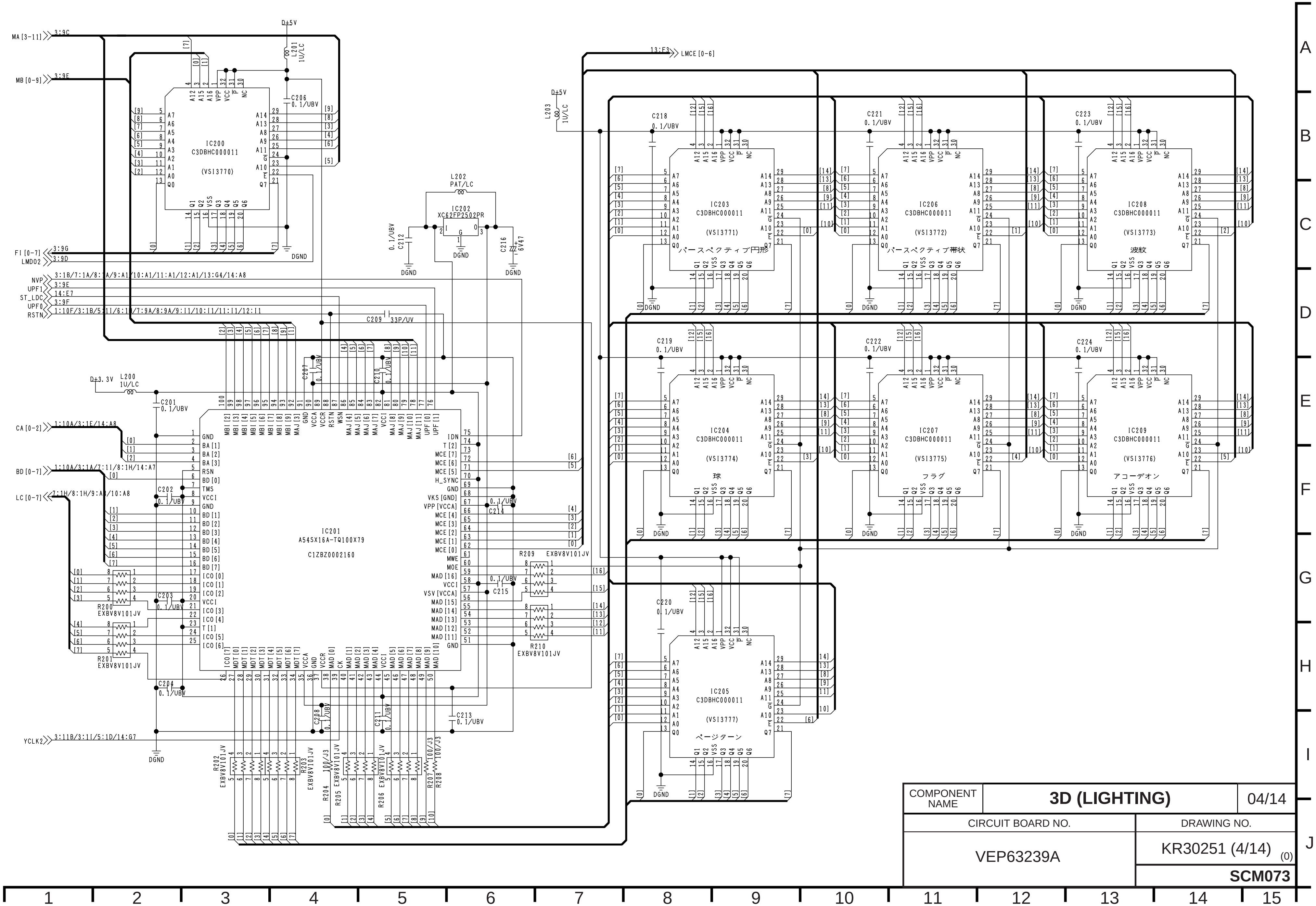
COMPONENT NAME	3D (EAG)	03/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (3/14) (0)	
	SCM072	



MA[3-11]
3:9C
MB[0-9]
3:9E
D+5V
L201
1U/LC
C206
0.1/UBV
IC200
C3DBHC000011
(VSI3770)
FI[0-7]
3:9G
LMD02
3:9D
DGND
NVP
UPF1
ST_LDC
UPF0
RSTN
3:1B/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1/13:G4/14:A8
3:9E
14:E7
3:9F
1:10F/3:1B/5:11/6:1I/7:9A/8:9A/9:11/10:11/11:11/12:11
C209
33P/UV
L202
PAT/LC
IC202
XC62FP2502PR
C212
0.1/UBV
C216
6V47
DGND
D+3.3V
L200
1U/LC
C201
0.1/UBV
CA[0-2]
1:10A/3:1E/14:A8
BD[0-7]
1:10A/3:1A/7:11/8:1H/14:A7
LC[0-7]
7:1H/8:1H/9:A8/10:A8
C202
0.1/UBV
C203
0.1/UBV
C204
0.1/UBV
R200
EXBV8V101JV
R201
EXBV8V101JV
IC201
A54SX16A-TQ100X79
C1ZBZ0002160
C207
0.1/UBV
C210
0.1/UBV
C208
0.1/UBV
C211
0.1/UBV
C213
0.1/UBV
C214
0.1/UBV
C215
0.1/UBV
R209
EXBV8V101JV
R210
EXBV8V101JV
R202
EXBV8V101JV
R203
EXBV8V101JV
R204
100/J3
R205
EXBV8V101JV
R206
EXBV8V101JV
R207
100/J3
R208
100/J3
YCLK2
3:11B/3:11/5:1D/14:G7
DGND
13:F3
LMCE[0-6]
D+5V
L203
1U/LC
C218
0.1/UBV
IC203
C3DBHC000011
(VSI3771)
パースペクティブ円形
C221
0.1/UBV
IC206
C3DBHC000011
(VSI3772)
パースペクティブ帯状
C223
0.1/UBV
IC208
C3DBHC000011
(VSI3773)
波紋
C219
0.1/UBV
IC204
C3DBHC000011
(VSI3774)
球
C222
0.1/UBV
IC207
C3DBHC000011
(VSI3775)
フラグ
C224
0.1/UBV
IC209
C3DBHC000011
(VSI3776)
アコーデオン
C220
0.1/UBV
IC205
C3DBHC000011
(VSI3777)
ページターン
A
B
C
D
E
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G
H
I
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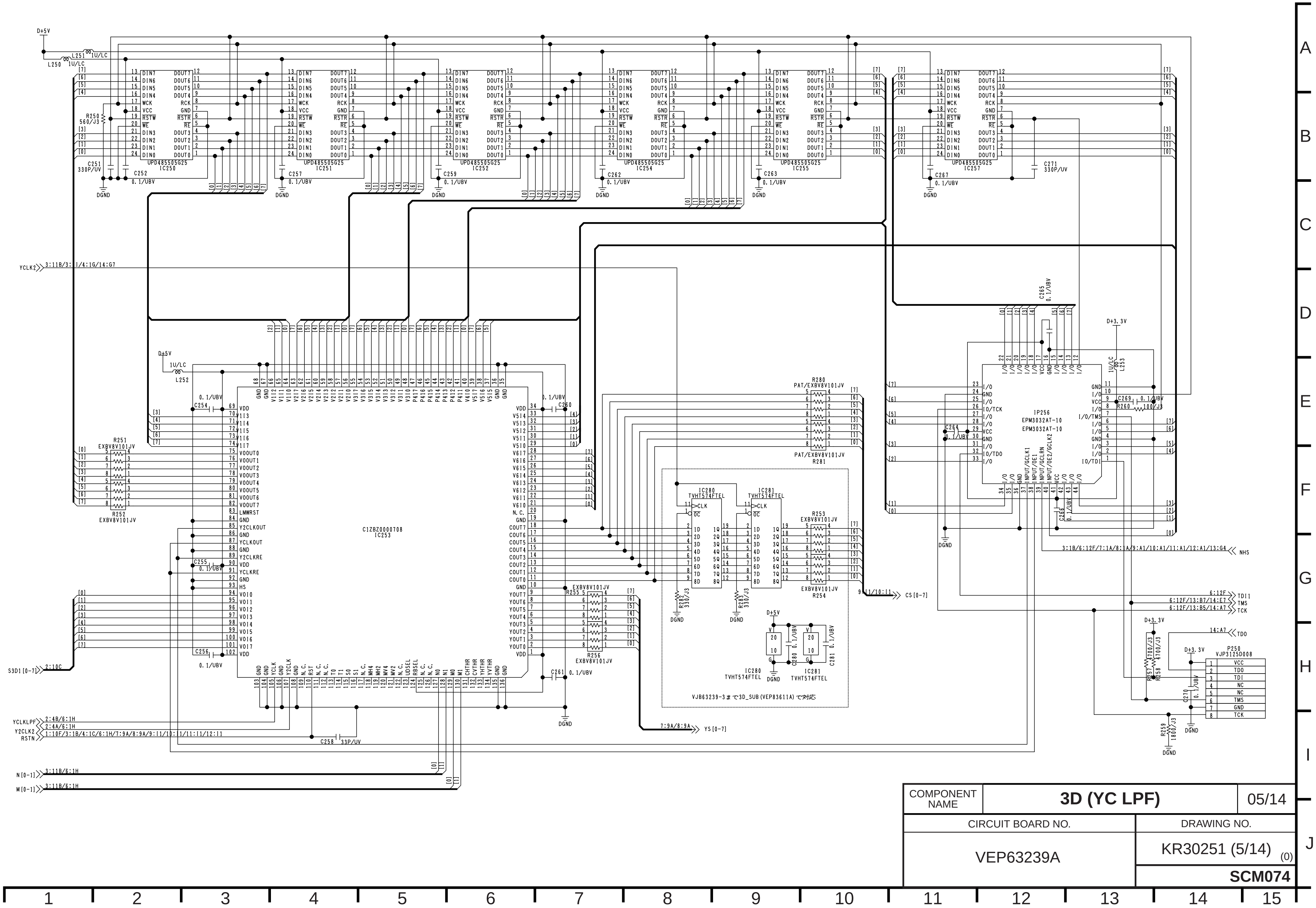
COMPONENT NAME	3D (LIGHTING)		04/14
CIRCUIT BOARD NO.		DRAWING NO.	
VEP63239A		KR30251 (4/14) (0)	
		SCM073	


D+5V
L250 1U/LC
L251 1U/LC
R250 560/J3
C251 330P/UV
C252 0.1/UBV
DGND
UPD485505G25
IC250
IC251
IC252
IC254
IC255
IC257
C257 0.1/UBV
C259 0.1/UBV
C262 0.1/UBV
C263 0.1/UBV
C267 0.1/UBV
C271 330P/UV
DIN7
DIN6
DIN5
DIN4
WCK
VCC
RSTW
WE
DIN3
DIN2
DIN1
DIN0
DOUT7
DOUT6
DOUT5
DOUT4
RCK
GND
RSTR
RE
DOUT3
DOUT2
DOUT1
DOUT0
YCLK2 3:11B/3:11/4:1G/14:G7
C1ZBZ0000708
IC253
L252
C254 0.1/UBV
C255 0.1/UBV
C256 0.1/UBV
C258 33P/UV
C260 0.1/UBV
C261 0.1/UBV
R251 EXBV8V101JV
R252 EXBV8V101JV
R255 EXBV8V101JV
R256 EXBV8V101JV
R280 PAT/EXBV8V101JV
R281 PAT/EXBV8V101JV
R253 EXBV8V101JV
R254 EXBV8V101JV
IC280 TVHT574FTEL
IC281 TVHT574FTEL
C280 0.1/UBV
C281 0.1/UBV
R282 330/J3
R283 330/J3
VJB63239-3まで3D_SUB(VEP83611A)で対応
IP256
EPM3032AT-10
C264 0.1/UBV
C265 0.1/UBV
C266 0.1/UBV
C269 0.1/UBV
R260 100/J3
L253 1U/LC
D+3.3V
R257 4700/J3
R258 4700/J3
R259 1800/J3
C270 0.1/UBV
P250 VJP3125D008
VCC
TDO
TDI
NC
NC
TMS
GND
TCK
S3D1[0-7] 2:10C
YCLKLPF 2:4B/6:1H
Y2CLK2 2:4A/6:1H
RSTN 1:10F/3:1B/4:1C/6:1H/7:9A/8:9A/9:11/10:11/11:11/12:11
N[0-1] 3:11B/6:1H
M[0-1] 3:11B/6:1H
YS[0-7] 7:9A/8:9A
CS[0-7] 9:11/10:11
NHS 3:1B/6:12F/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1/13:G4
TDI1 6:12F
TMS 6:12F/13:B7/14:E7
TCK 6:12F/13:B5/14:A7
TDO 14:A7
A
B
C
D
E
F
G
H
I
J
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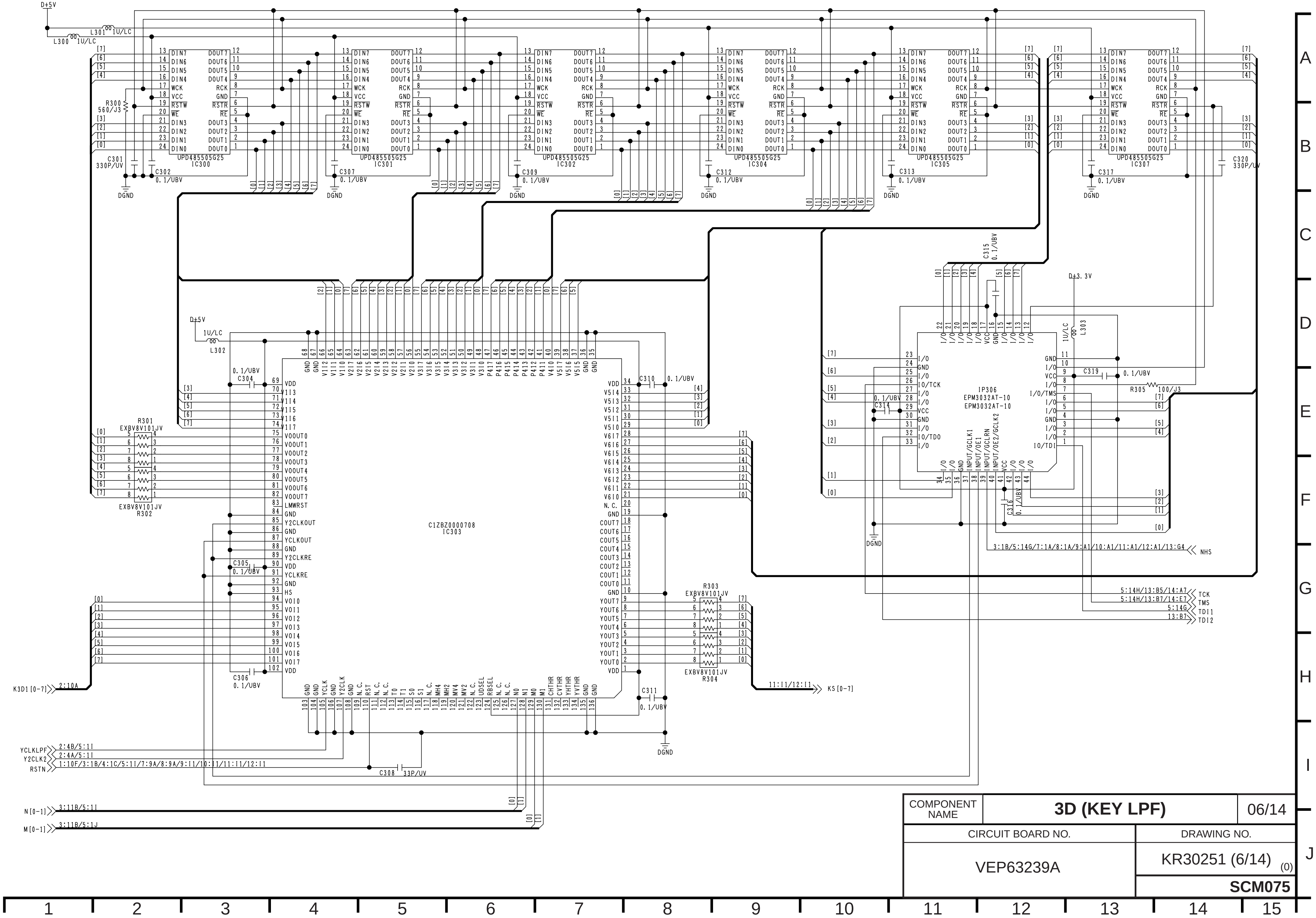
COMPONENT NAME	3D (YC LPF)	05/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (5/14) (0)	
	SCM074	


D+5V
L300 1U/LC
L301 1U/LC
R300 560/J3
C301 330P/UV
C302 0.1/UBV
DGND
UPD485505G25
IC300
IC301
IC302
IC304
IC305
IC307
C307 0.1/UBV
C309 0.1/UBV
C312 0.1/UBV
C313 0.1/UBV
C317 0.1/UBV
C320 330P/UV
DIN7
DIN6
DIN5
DIN4
WCK
VCC
RSTW
WE
DIN3
DIN2
DIN1
DIN0
DOUT7
DOUT6
DOUT5
DOUT4
RCK
GND
RSTR
RE
DOUT3
DOUT2
DOUT1
DOUT0
C315 0.1/UBV
D+3.3V
L303 1U/LC
IP306
EPM3032AT-10
EPM3032AT-10
C319 0.1/UBV
R305 100/J3
C314 0.1/UBV
C316 0.1/UBV
3:1B/5:14G/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1/13:G4
NHS
5:14H/13:B5/14:A7
5:14H/13:B7/14:E7
5:14G
13:B7
TCK
TMS
TDI1
TDI2
D+5V
1U/LC
L302
C304 0.1/UBV
C310 0.1/UBV
R301 EXBV8V101JV
R302 EXBV8V101JV
C1ZBZ0000708
IC303
C305 0.1/UBV
C306 0.1/UBV
R303 EXBV8V101JV
R304 EXBV8V101JV
C311 0.1/UBV
DGND
K3D1[0-7]
2:10A
11:11/12:11
KS[0-7]
YCLKLPF
Y2CLK2
RSTN
2:4B/5:11
2:4A/5:11
1:10F/3:1B/4:1C/5:11/7:9A/8:9A/9:11/10:11/11:11/12:11
C308 33P/UV
N[0-1]
M[0-1]
3:11B/5:11
3:11B/5:1J
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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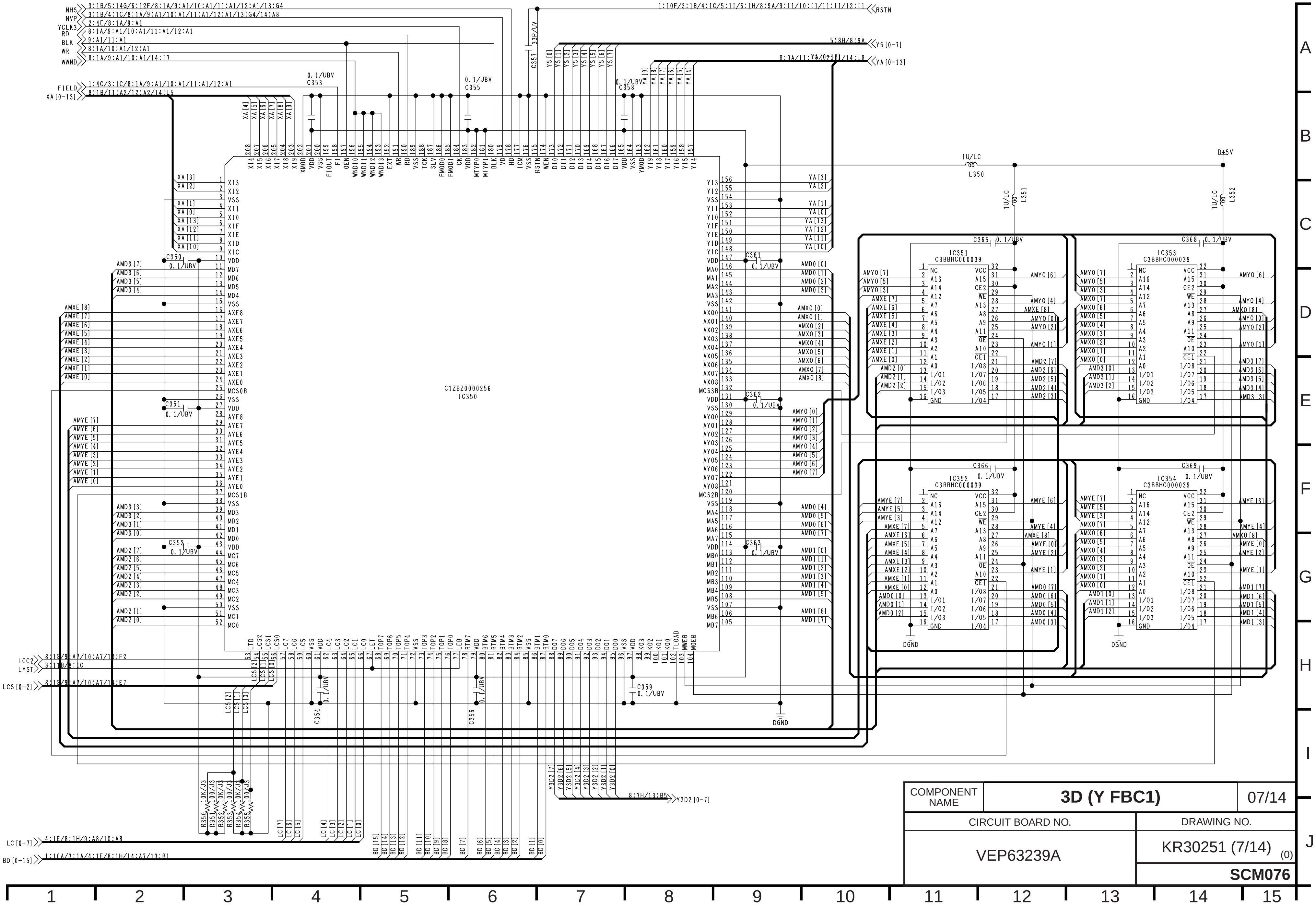
COMPONENT NAME	3D (KEY LPF)	06/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (6/14) (0)	
	SCM075	


C1ZZ0000256
IC350
IC351
C3BBHC000039
IC352
C3BBHC000039
IC353
C3BBHC000039
IC354
C3BBHC000039
NHS
NVP
YCLK3
RD
BLK
WR
WWND
FIELD
XA[0-13]
RSTN
YS[0-7]
YA[0-13]
LCC2
LYST
LCS[0-2]
LC[0-7]
BD[0-15]
Y3D2[0-7]
D+5V
L350
L351
L352
1U/LC
C350
C351
C352
C353
C354
C355
C356
C357
C358
C359
C361
C362
C363
C365
C366
C368
C369
0.1/UBV
33P/UV
R350
R351
R352
R353
R354
R355
10K/J3
100/J3
DGND
A
B
C
D
E
F
G
H
I
J
1
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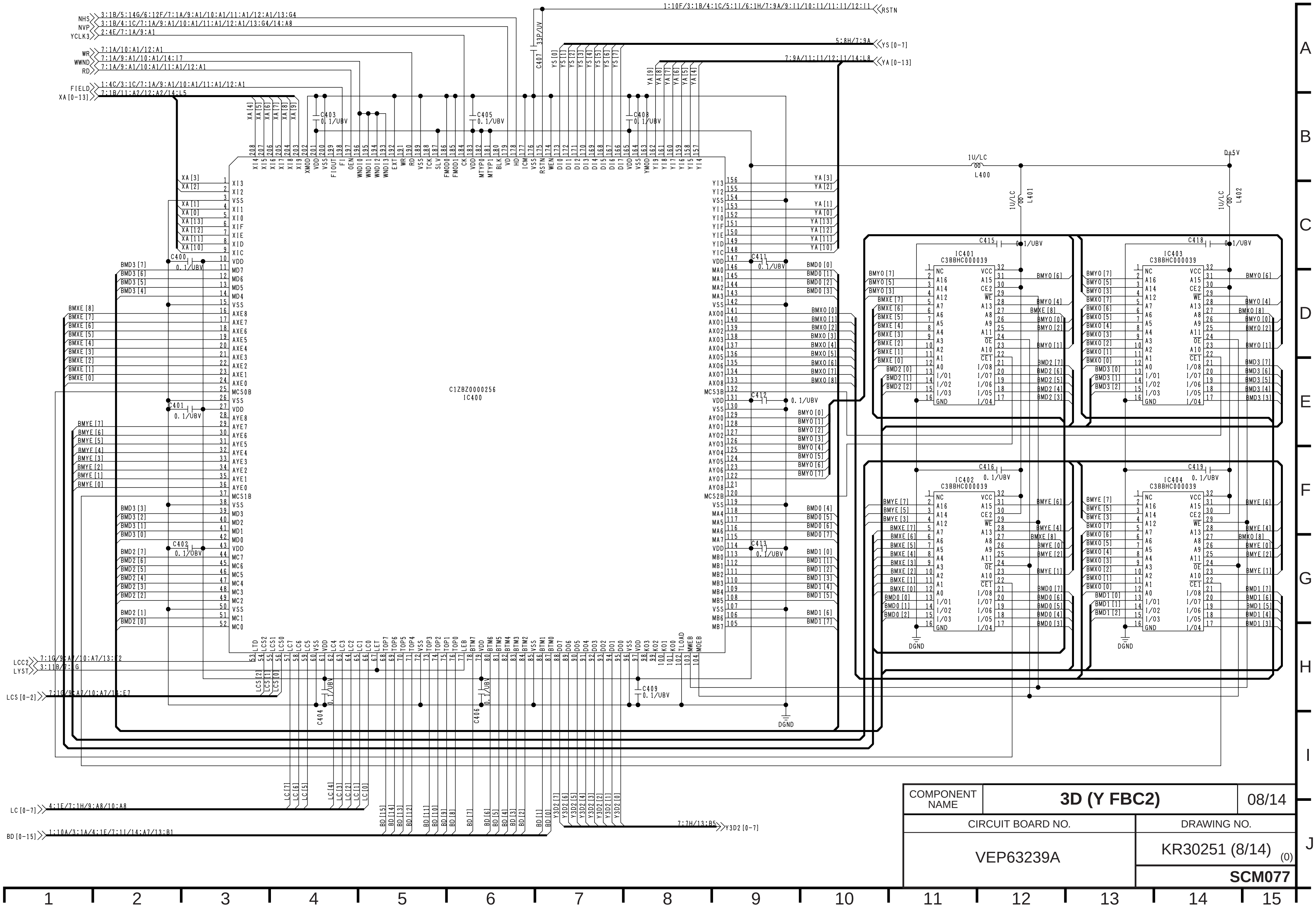
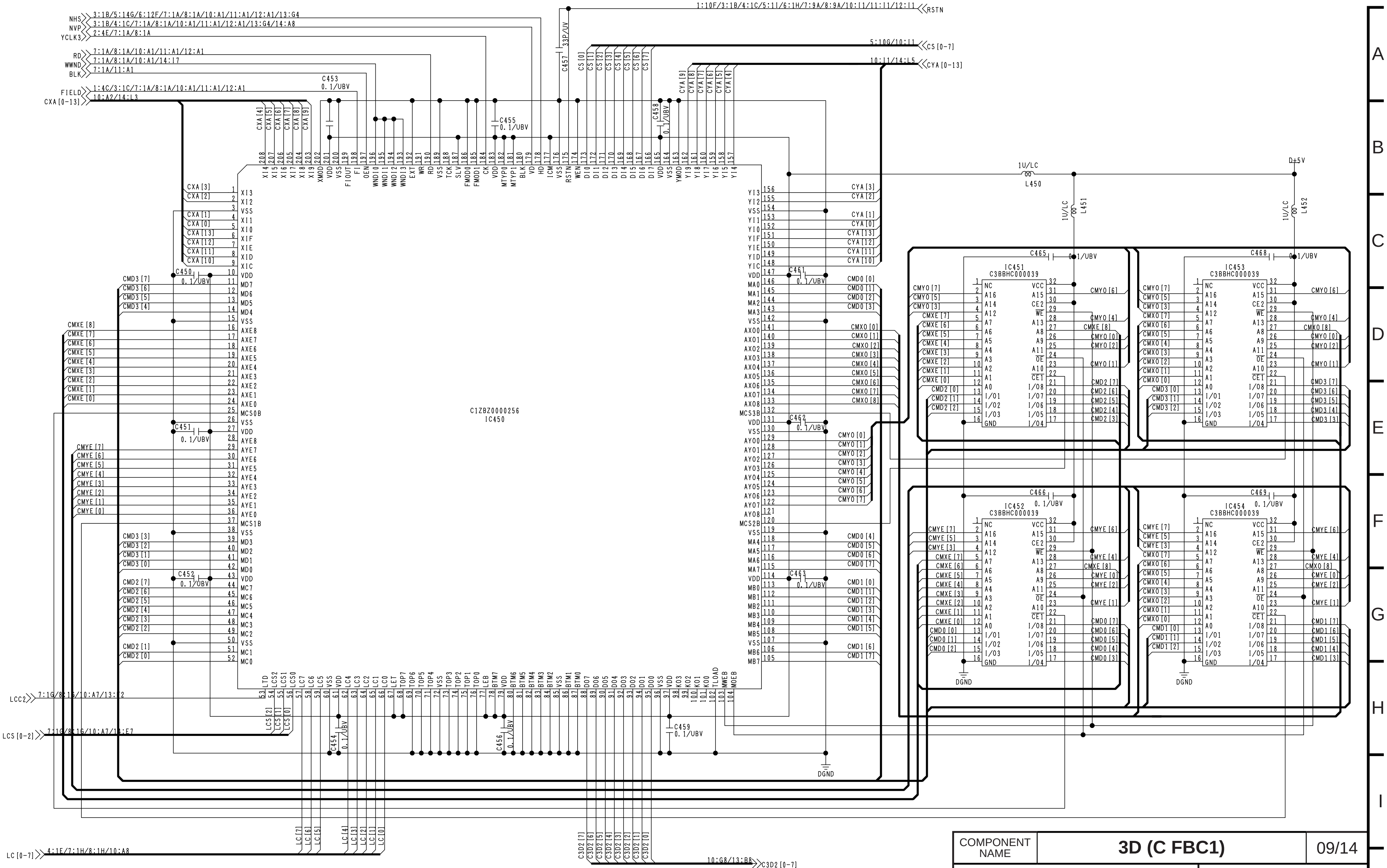
COMPONENT NAME	3D (Y FBC1)	07/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (7/14) (0)	
	SCM076	

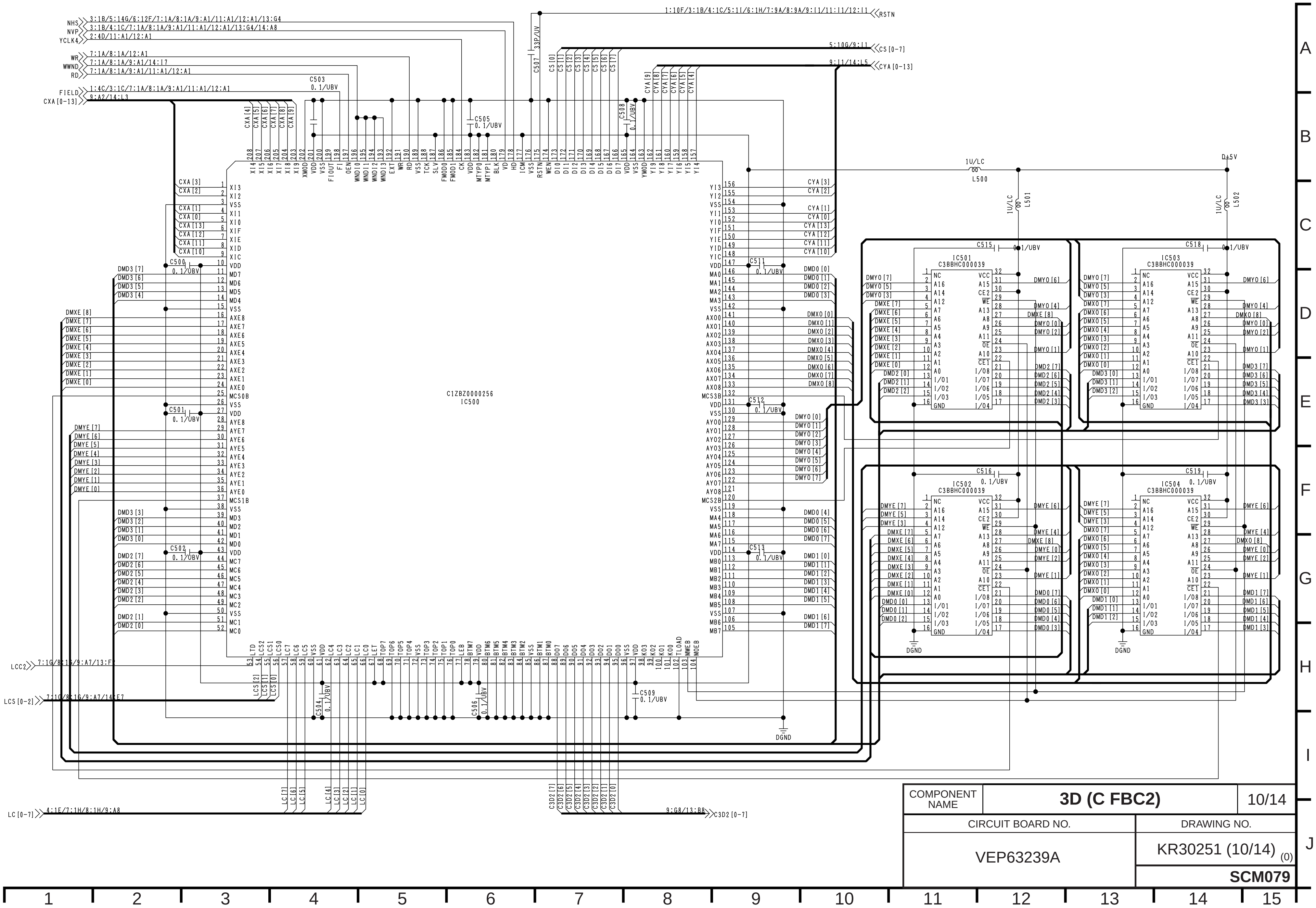

NHS
NVP
YCLK3
WR
WWND
RD
FIELD
XA[0-13]
RSTN
YS[0-7]
YA[0-13]
LCC2
LYST
LCS[0-2]
LC[0-7]
BD[0-15]
Y3D2[0-7]
D+5V
1U/LC
L400
L401
L402
C1ZBZ0000256
IC400
IC401
IC402
IC403
IC404
C3BBHC000039
C400
C401
C402
C403
C404
C405
C406
C407
C408
C409
C411
C412
C413
C415
C416
C418
C419
0.1/UBV
33P/UV
DGND
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	3D (Y FBC2)	08/14

CIRCUIT BOARD NO.	DRAWING NO.
VEP63239A	KR30251 (8/14) (0)
	SCM077


NHS
NVP
YCLK3
RD
WWND
BLK
FIELD
CXA[0-13]
RSTN
CS[0-7]
CYA[0-13]
C1ZBZ0000256
IC450
IC451
C3BBHC000039
IC452
C3BBHC000039
IC453
C3BBHC000039
IC454
C3BBHC000039
C450 0.1/UBV
C451 0.1/UBV
C452 0.1/UBV
C453 0.1/UBV
C454 0.1/UBV
C455 0.1/UBV
C456 0.1/UBV
C457 33P/UV
C458 0.1/UBV
C459 0.1/UBV
C461 0.1/UBV
C462 0.1/UBV
C463 0.1/UBV
C465 0.1/UBV
C466 0.1/UBV
C468 0.1/UBV
C469 0.1/UBV
1U/LC
L450
L451
L452
D+5V
DGND
LCC2
LCS[0-2]
LC[0-7]
C3D2[0-7]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

COMPONENT NAME	3D (C FBC1)	09/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (9/14) (0)	
	SCM078	


NHS
NVP
YCLK4
WR
WWND
RD
FIELD
CXA[0-13]
RSTN
CS[0-7]
CYA[0-13]
C503 0.1/UBV
C505 0.1/UBV
C507 33P/UV
C508 0.1/UBV
C500 0.1/UBV
C501 0.1/UBV
C502 0.1/UBV
C511 0.1/UBV
C512 0.1/UBV
C513 0.1/UBV
C504 0.1/UBV
C506 0.1/UBV
C509 0.1/UBV
C1ZBZ0000256
IC500
1U/LC
L500
L501
L502
D+5V
C515 0.1/UBV
C516 0.1/UBV
C518 0.1/UBV
C519 0.1/UBV
IC501 C3BBHC000039
IC502 C3BBHC000039
IC503 C3BBHC000039
IC504 C3BBHC000039
DGND
LCC2
LCS[0-2]
LC[0-7]
C3D2[0-7]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
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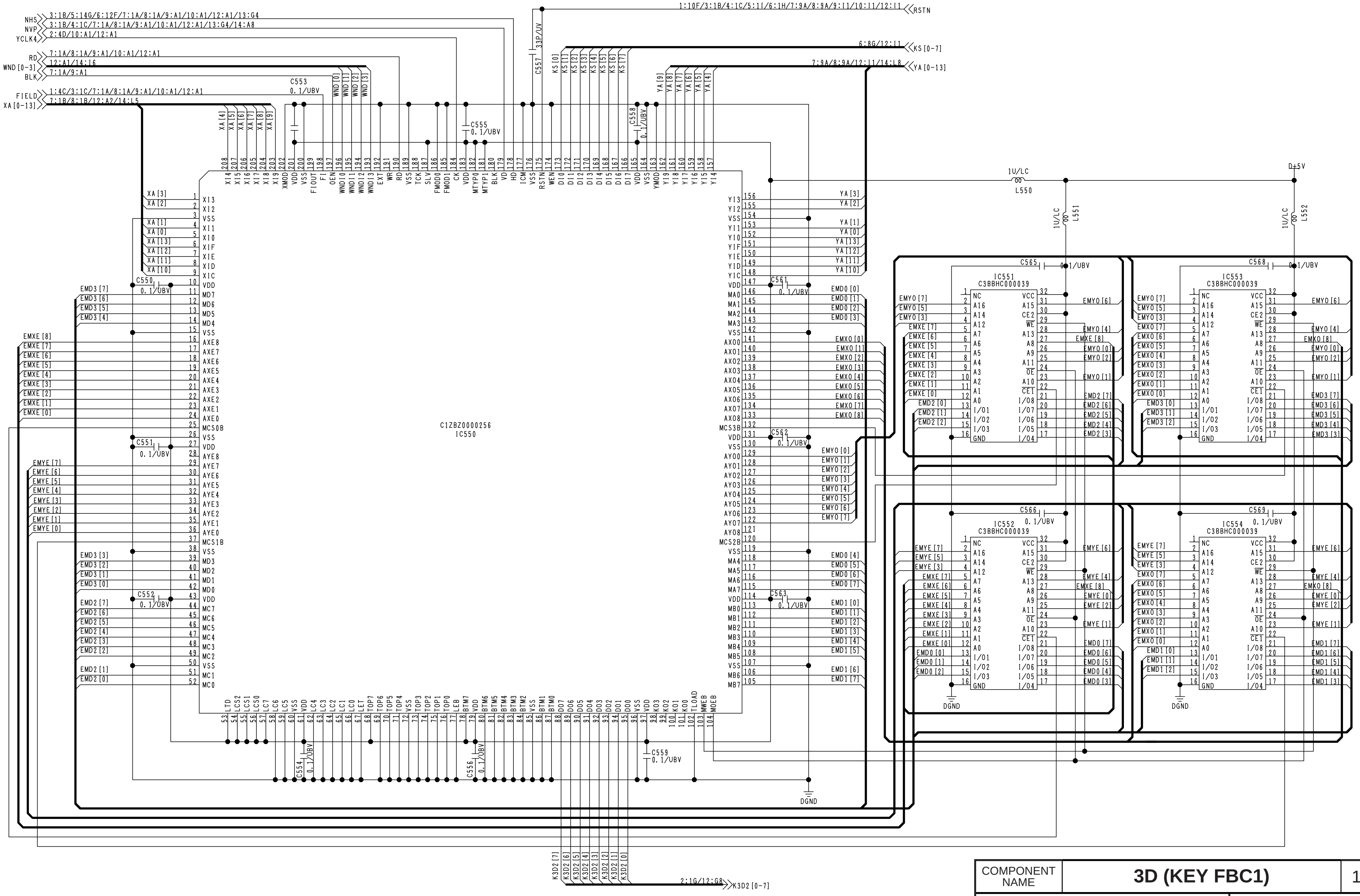
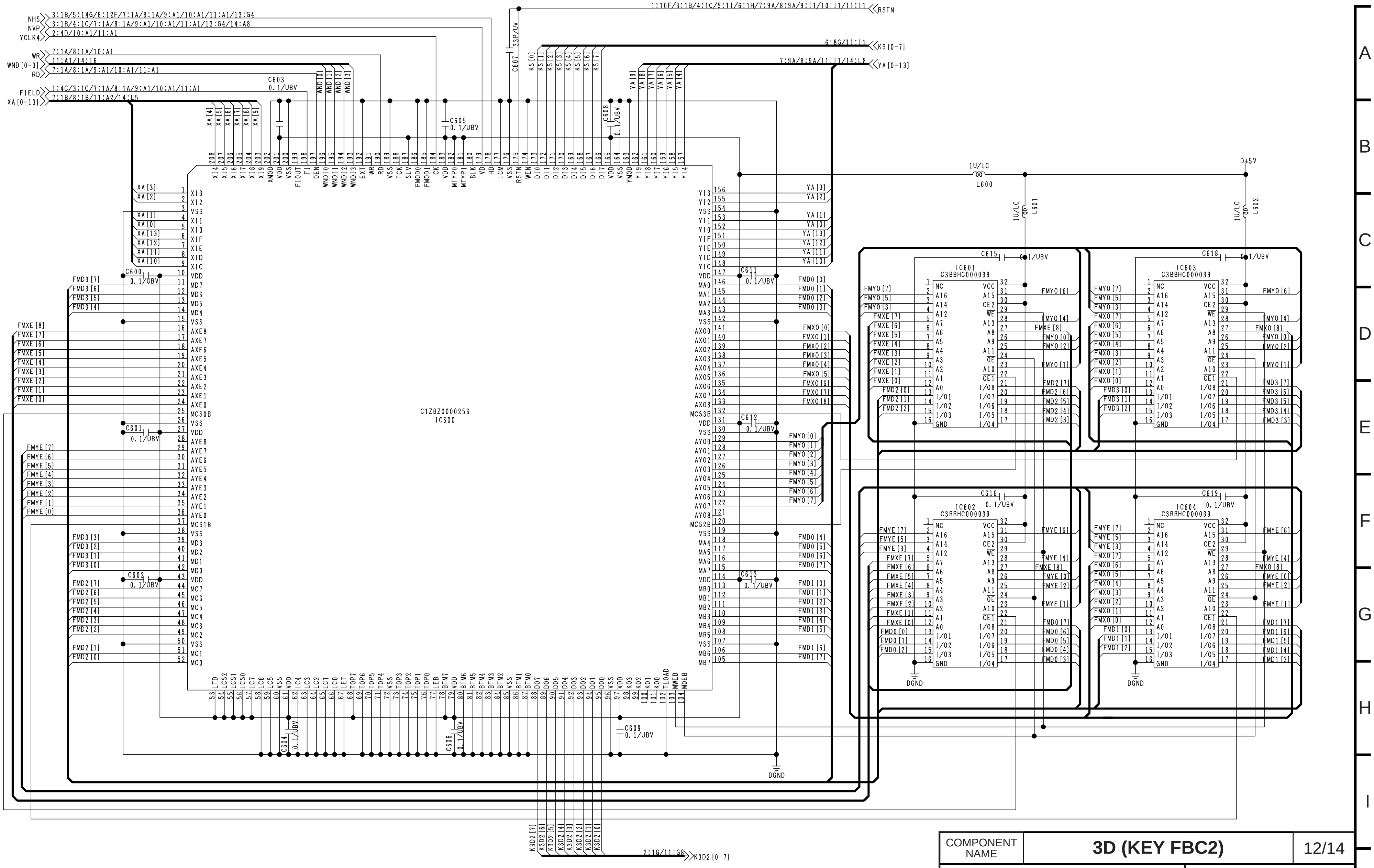
COMPONENT NAME	**3D (C FBC2)**	10/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (10/14) (0)	
	SCM079	


C1ZBZ0000256
IC550
IC551
C3BBHC000039
IC552
C3BBHC000039
IC553
C3BBHC000039
IC554
C3BBHC000039
NHS
NVP
YCLK4
RD
WND[0-3]
BLK
FIELD
XA[0-13]
RSTN
KS[0-7]
YA[0-13]
K3D2[0-7]
D+5V
L550
L551
L552
1U/LC
C550
C551
C552
C553
C554
C555
C556
C557
C558
C559
C561
C562
C563
C565
C566
C568
C569
0.1/UBV
33P/UV
DGND

COMPONENT NAME	3D (KEY FBC1)	11/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (11/14) (0)	
	SCM080	



NHS
NVP
YCLK4
WR
WND[0-3]
RD
FIELD
XA[0-13]
RSTN
KS[0-7]
YA[0-13]
C603 0.1/UBV
C605 0.1/UBV
C607 33P/UV
C608 0.1/UBV
C600 0.1/UBV
C601 0.1/UBV
C602 0.1/UBV
C604 0.1/UBV
C606 0.1/UBV
C609 0.1/UBV
C611 0.1/UBV
C612 0.1/UBV
C613 0.1/UBV
C1ZBZ0000256
IC600
1U/LC
L600
L601
L602
D+5V
C615 0.1/UBV
C616 0.1/UBV
C618 0.1/UBV
C619 0.1/UBV
IC601 C3BBHC000039
IC602 C3BBHC000039
IC603 C3BBHC000039
IC604 C3BBHC000039
DGND
K3D2[0-7]
2:1G/11:G8
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
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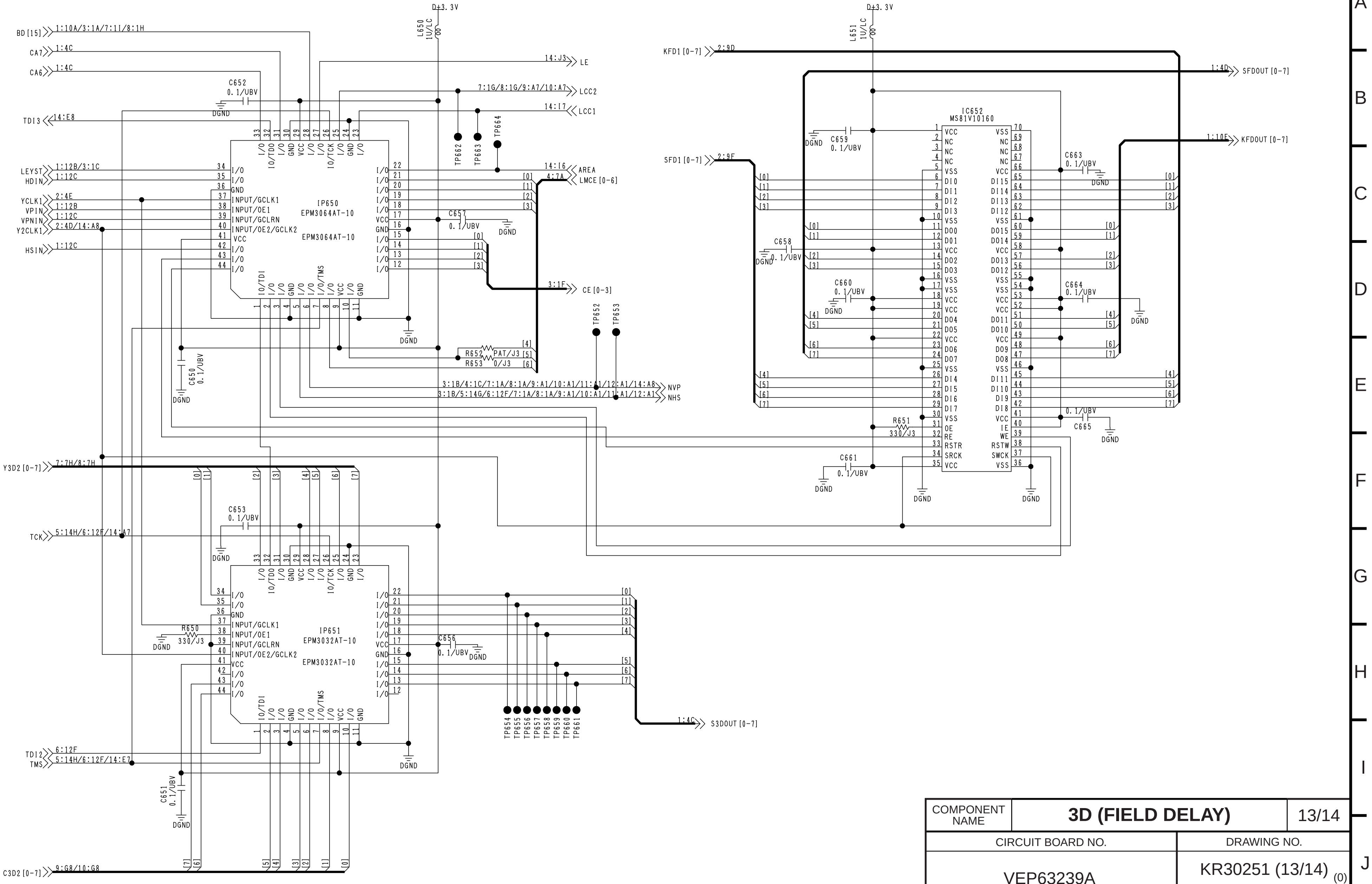
COMPONENT NAME	3D (KEY FBC2)	12/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (12/14) (0)	
	SCM081	


D+3.3V
L650 1U/LC
L651 1U/LC
BD[15] 1:10A/3:1A/7:11/8:1H
CA7 1:4C
CA6 1:4C
C652 0.1/UBV
DGND
TDI3 14:E8
LE 14:J3
LCC2 7:1G/8:1G/9:A7/10:A7
LCC1 14:I7
TP662
TP663
TP664
AREA 14:I6
LMCE[0-6] 4:7A
LEYST 1:12B/3:1C
HDIN 1:12C
YCLK1 2:4E
VPIN 1:12B
VPNIN 1:12C
Y2CLK1 2:4D/14:A8
HSIN 1:12C
IP650
EPM3064AT-10
I/O
INPUT/GCLK1
INPUT/OE1
INPUT/GCLRN
INPUT/OE2/GCLK2
VCC
GND
IO/TDO
IO/TCK
IO/TDI
I/O/TMS
C657 0.1/UBV
CE[0-3] 3:1F
TP652
TP653
R652 PAT/J3
R653 0/J3
C650 0.1/UBV
NVP 3:1B/4:1C/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1/14:A8
NHS 3:1B/5:14G/6:12F/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1
Y3D2[0-7] 7:7H/8:7H
C653 0.1/UBV
TCK 5:14H/6:12F/14:A7
IP651
EPM3032AT-10
R650 330/J3
C656 0.1/UBV
TP654
TP655
TP656
TP657
TP658
TP659
TP660
TP661
S3DOUT[0-7] 1:4C
TDI2 6:12F
TMS 5:14H/6:12F/14:E7
C651 0.1/UBV
C3D2[0-7] 9:G8/10:G8
KFD1[0-7] 2:9D
SFDOUT[0-7] 1:4D
IC652
MS81V10160
VSS
NC
DI0
DI1
DI2
DI3
DO0
DO1
DO2
DO3
DO4
DO5
DO6
DO7
DI4
DI5
DI6
DI7
OE
RE
RSTR
SRCK
DI15
DI14
DI13
DI12
DO15
DO14
DO13
DO12
DO11
DO10
DO9
DO8
DI11
DI10
DI9
DI8
IE
WE
RSTW
SWCK
C659 0.1/UBV
KFDOUT[0-7] 1:10E
C663 0.1/UBV
SFD1[0-7] 2:9F
C658 0.1/UBV
C660 0.1/UBV
C664 0.1/UBV
R651 330/J3
C665 0.1/UBV
C661 0.1/UBV
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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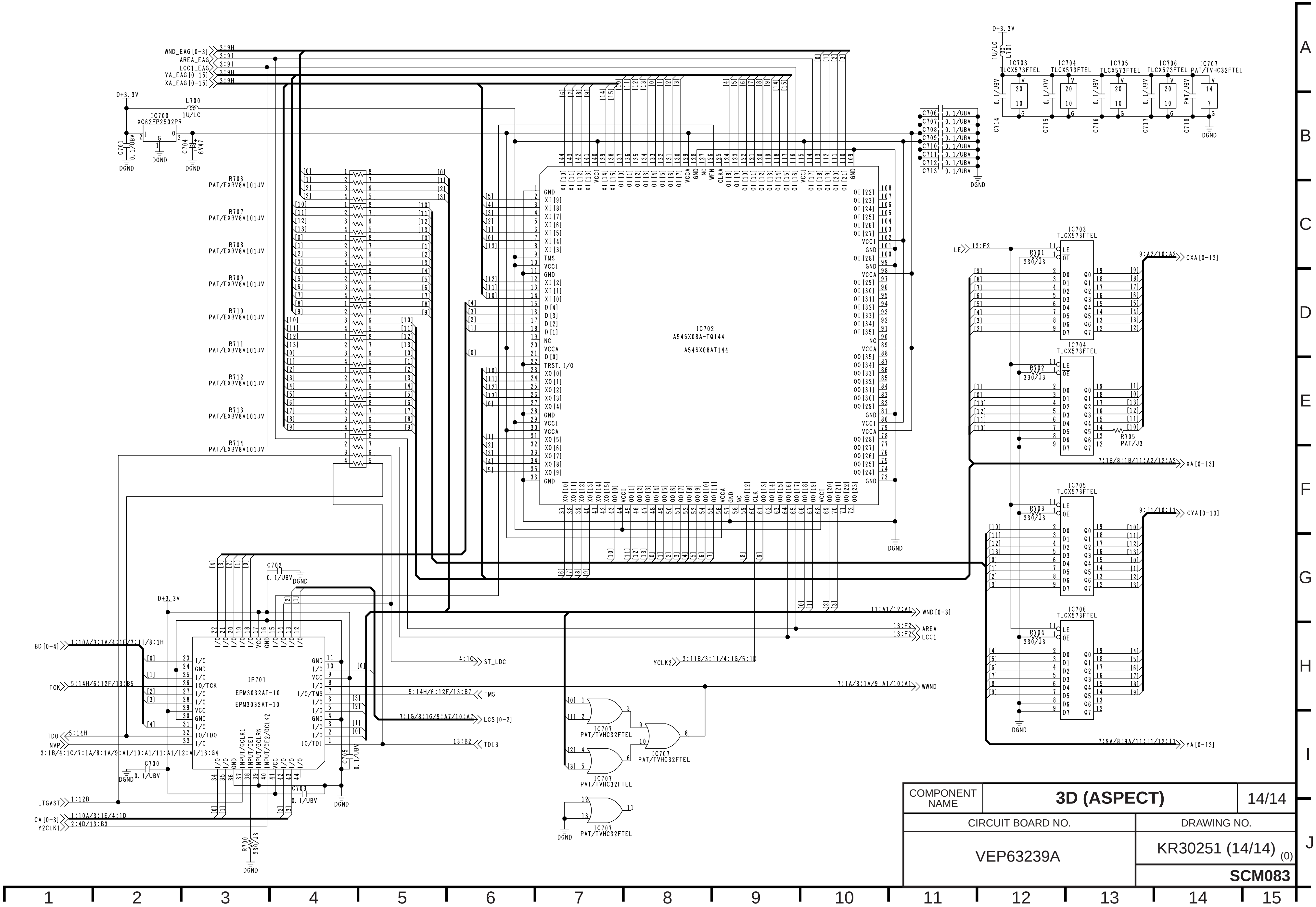
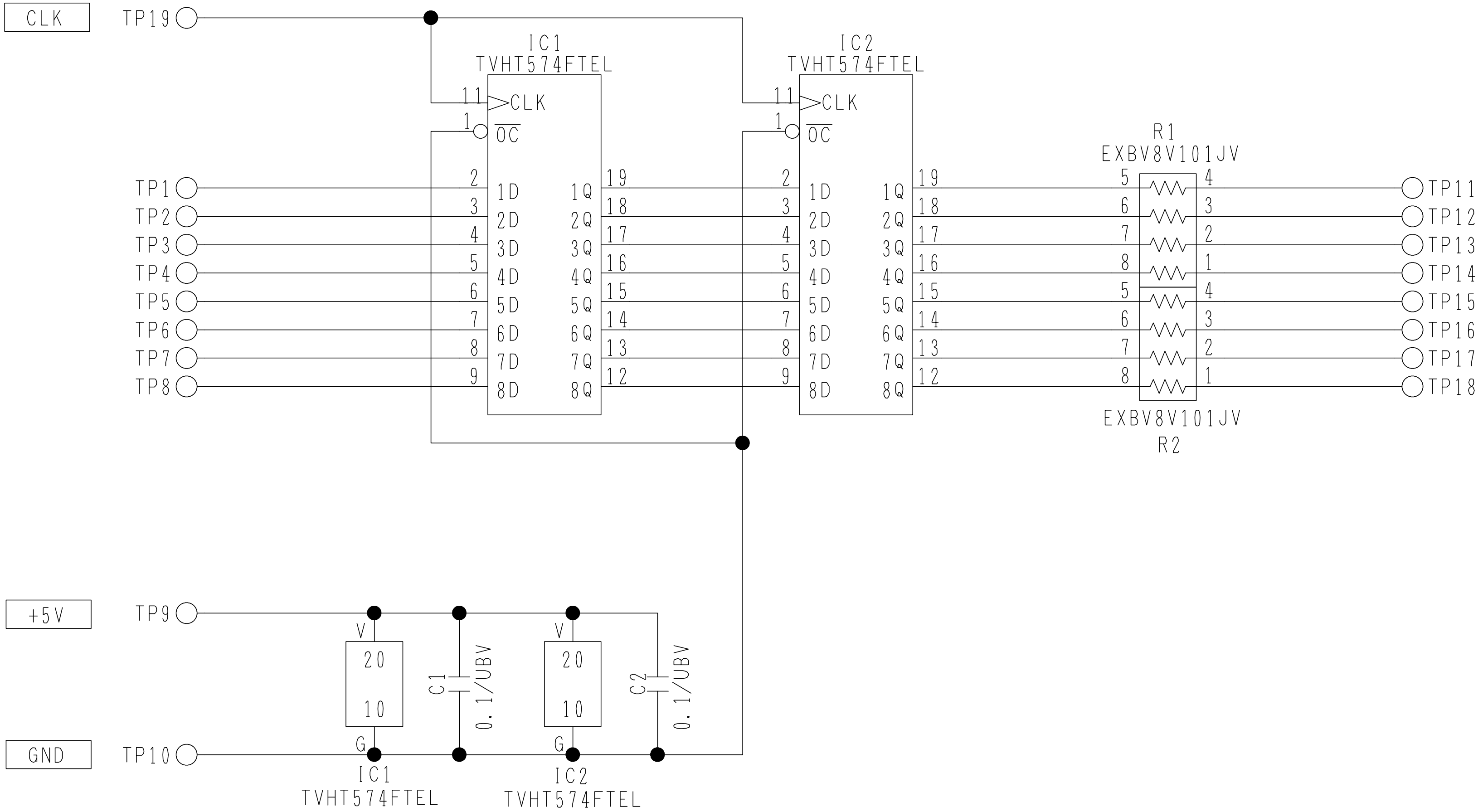
COMPONENT NAME	3D (FIELD DELAY)	13/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (13/14) (0)	
	SCM082	



WND_EAG[0-3]
AREA_EAG
LCC1_EAG
YA_EAG[0-15]
XA_EAG[0-15]
D+3.3V
L700
1U/LC
IC700
XC62FP2502PR
C701
0.1/UBV
C704
6V47
DGND
R706 PAT/EXBV8V101JV
R707 PAT/EXBV8V101JV
R708 PAT/EXBV8V101JV
R709 PAT/EXBV8V101JV
R710 PAT/EXBV8V101JV
R711 PAT/EXBV8V101JV
R712 PAT/EXBV8V101JV
R713 PAT/EXBV8V101JV
R714 PAT/EXBV8V101JV
IC702
A54SX08A-TQ144
A54SX08AT144
C706 0.1/UBV
C707 0.1/UBV
C708 0.1/UBV
C709 0.1/UBV
C710 0.1/UBV
C711 0.1/UBV
C712 0.1/UBV
C713 0.1/UBV
L701
IC703 TLCX573FTEL
IC704 TLCX573FTEL
IC705 TLCX573FTEL
IC706 TLCX573FTEL
IC707 PAT/TVHC32FTEL
C714
C715
C716
C717
C718
LE 13:F2
R701 330/J3
R702 330/J3
R703 330/J3
R704 330/J3
R705 PAT/J3
9:A2/10:A2 CXA[0-13]
7:1B/8:1B/11:A2/12:A2 XA[0-13]
9:I1/10:I1 CYA[0-13]
7:9A/8:9A/11:I1/12:I1 YA[0-13]
11:A1/12:A1 WND[0-3]
13:F2 AREA
13:F2 LCC1
YCLK2 3:11B/3:11/4:1G/5:1D
7:1A/8:1A/9:A1/10:A1 WWND
4:1C ST_LDC
5:14H/6:12F/13:B7 TMS
7:1G/8:1G/9:A7/10:A7 LCS[0-2]
13:B2 TDI3
IP701
EPM3032AT-10
C702 0.1/UBV
C700 0.1/UBV
C703 0.1/UBV
C705 0.1/UBV
R700 330/J3
BD[0-4] 1:10A/3:1A/4:1E/7:1I/8:1H
TCK 5:14H/6:12F/13:B5
TDO 5:14H
NVP 3:1B/4:1C/7:1A/8:1A/9:A1/10:A1/11:A1/12:A1/13:G4
LTGAST 1:12B
CA[0-3] 1:10A/3:1E/4:1D
Y2CLK1 2:4D/13:B3
IC707 PAT/TVHC32FTEL
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	3D (ASPECT)	14/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP63239A	KR30251 (14/14) (0)	
	SCM083	


CLK
TP19
IC1
TVHT574FTEL
IC2
TVHT574FTEL
CLK
OC
1D 2D 3D 4D 5D 6D 7D 8D
1Q 2Q 3Q 4Q 5Q 6Q 7Q 8Q
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
R1
EXBV8V101JV
EXBV8V101JV
R2
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
+5V
TP9
GND
TP10
C1
0.1/UBV
C2
0.1/UBV
V
G
20
10
IC1
TVHT574FTEL
IC2
TVHT574FTEL

COMPONENT NAME	**3D_SUB**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83611A	KR***** (1/1) (0)	
	SCM084	

SECTION 6

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION7

CAUTION

THE ☐ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

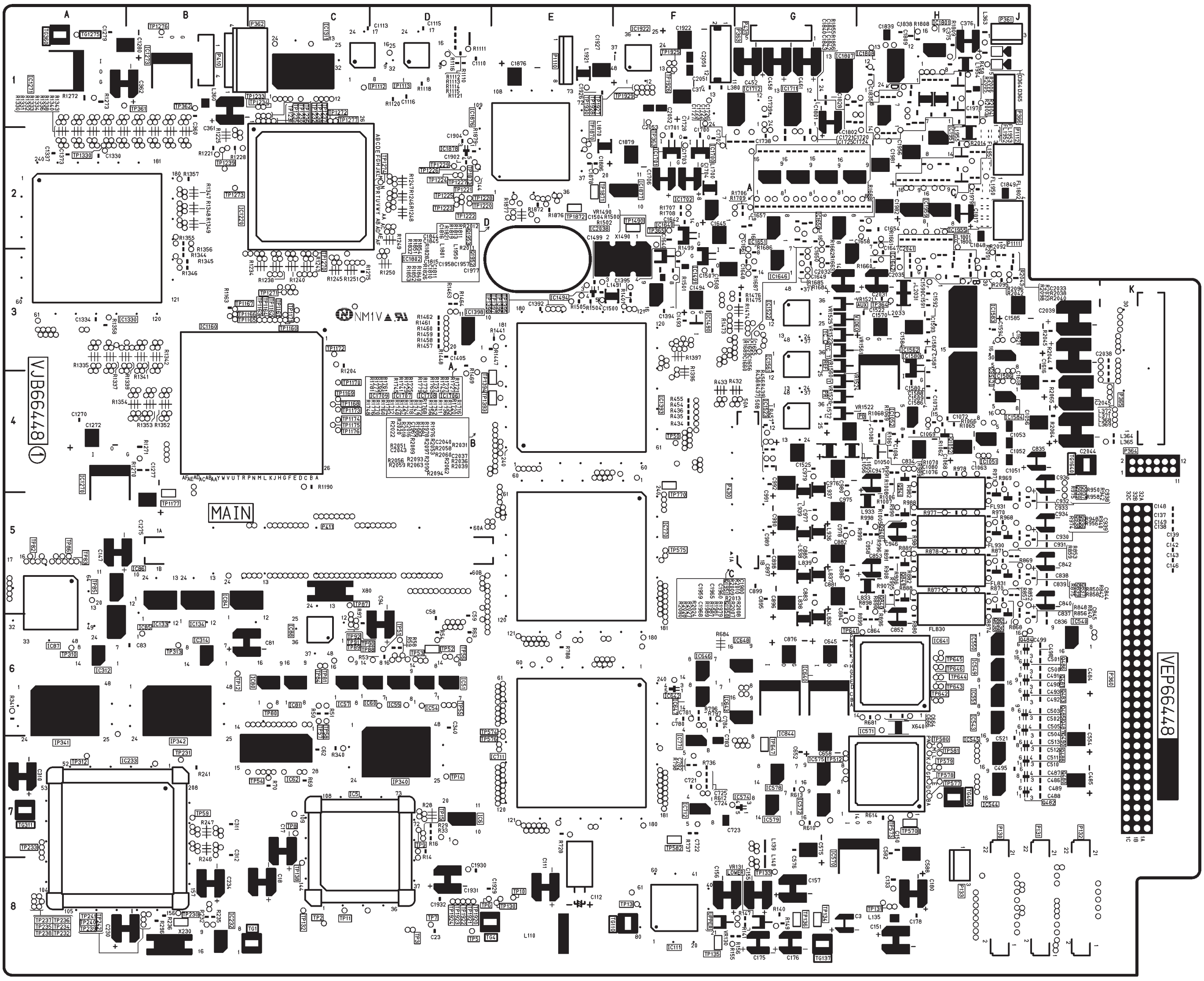
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

MAIN P.C.BOARD (VEP66448A)........ CBA-1
PANEL P.C.BOARD (VEP66449A)........ CBA-3
ROTARY SW P.C.BOARD (VEP60678A)........ CBA-5
A MUTE P.C.BOARD (VEP64184A)........ CBA-6
AUDIO I/O P.C.BOARD (VEP60676B)........ CBA-7
INV P.C.BOARD (VEP60685A)........ CBA-7
I/O P.C.BOARD (VEP60677A)........ CBA-8
USB PHONE P.C.BOARD (VEP60733A)........ CBA-8
POWER MAIN P.C.BOARD (VEP61294A)........ CBA-9
POWER SUB P.C.BOARD (VEP61295A)........ CBA-10
ASPECT V P.C.BOARD (VEP60684A)........ CBA-10
GAIN SW P.C.BOARD (VEP83612A)........ CBA-11
FAN IF P.C.BOARD (VEP60686A)........ CBA-11
PHONE V P.C.BOARD (VEP60683A)........ CBA-12
TAKE V P.C.BOARD (VEP60679A)........ CBA-12
COLOR V P.C.BOARD (VEP60680A)........ CBA-12
TIME ENC P.C.BOARD (VEP60681A)........ CBA-13
Z ENC P.C.BOARD (VEP60682A)........ CBA-13
AG-YA70P SDI P.C.BOARD (VEP83586B)........ CBA-14
AG-VE70P S3D P.C.BOARD (VEP63239A)........ CBA-15

MAIN P.C. BOARD (VEP66448A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	C8	IC571	H7	IC1491	F3	IC1877	E2	Q482	J7	TG360	A1	TP83	A5	TP242	B8	TP1161	C3	TP1233	C2	TP1924	D8
IC6	D7	IC572	G7	IC1494	E3	IC1878	D2	Q483	J6	TG480	H7	TP84	C6	TP310	A6	TP1162	C3	TP1234	C2	TP1925	F1
IC51	D6	IC574	G7	IC1522	G3	IC1922	F1	Q484	J6	TG1275	A1	TP85	A5	TP312	A7	TP1163	C3	TP1235	C2	TP1926	F1
IC54	D6	IC575	G7	IC1523	G4	IC1951	H2	Q485	J7	TG1640	K4	TP86	A5	TP313	B6	TP1164	C3	TP1236	C2	TP1927	F1
IC55	D6	IC578	G7	IC1561	G3	IC1955	H2	Q486	J6	TP2	C8	TP87	C5	TP361	B2	TP1165	B3	TP1237	C2	TP1928	F1
IC57	C6	IC579	G7	IC1562	H3	IC1959	H2	Q487	J7	TP3	D8	TP88	C6	TP362	B2	TP1166	B3	TP1238	C2	TP1929	F1
IC60	D6	IC640	G6	IC1580	H3	IC2038	F3	Q488	J7	TP5	D8	TP89	C6	TP363	F2	TP1167	B3	TP1239	B2	TP1930	F1
IC62	C7	IC641	H6	IC1582	J4	IP340	D7	Q490	J7	TP6	D8	TP90	C6	TP364	H3	TP1168	C4	TP1270	C3	VR130	F8
IC80	C6	IC642	F6	IC1583	J3	IP341	A6	Q836	J6	TP7	D8	TP91	C6	TP365	F2	TP1169	C4	TP1271	C3	VR131	G8
IC81	C6	IC643	G7	IC1584	J4	IP342	B6	Q837	J5	TP8	C7	TP92	C6	TP512	G7	TP1170	C4	TP1272	C2	VR1490	F3
IC84	B5	IC646	F6	IC1586	J3	IP1112	D1	Q838	J6	TP9	D7	TP130	E8	TP570	H7	TP1171	C3	TP1273	B2	VR1520	G4
IC85	A6	IC647	F6	IC1640	F2	IP1113	D1	Q839	J5	TP10	E8	TP131	H8	TP573	H7	TP1172	C3	TP1274	D2	VR1521	G3
IC86	A5	IC648	G6	IC1642	G3	P130	J8	Q840	H5	TP11	C8	TP132	C8	TP574	E7	TP1173	C4	TP1276	B1	VR1522	G4
IC87	A5	IC711	E7	IC1646	G3	P131	J8	Q841	H5	TP12	B6	TP133	G8	TP575	F5	TP1174	C4	TP1277	C2	VR1523	G3
IC88	C6	IC712	F7	IC1650	G2	P132	J8	Q936	J5	TP13	F8	TP134	G8	TP576	E7	TP1175	C4	TP1330	A2	VR1524	G4
IC111	F8	IC770	E5	IC1651	G2	P133	J8	Q937	J5	TP14	D7	TP135	F8	TP577	H7	TP1176	C4	TP1393	E4	VR1525	G3
IC133	B5	IC771	F7	IC1700	F2	P361	J1	Q938	J5	TP15	D7	TP136	G8	TP578	H7	TP1177	B5	TP1394	E4	VR1560	G3
IC134	B5	IC844	G6	IC1701	F2	P362	B1	Q939	J5	TP50	F4	TP138	C8	TP579	H7	TP1220	D2	TP1395	E3	VR1561	G3
IC232	B8	IC1051	J4	IC1702	F2	P363	F1	Q940	H5	TP51	D6	TP230	B8	TP580	H7	TP1221	D2	TP1396	E3	X80	C5
IC233	A7	IC1052	H4	IC1706	G2	P365	K3	Q941	H4	TP52	D6	TP231	B7	TP581	H7	TP1222	D2	TP1397	E3	X230	B8
IC312	A6	IC1160	C4	IC1707	G2	P366	J2	Q1052	H4	TP53	D6	TP232	A8	TP582	F7	TP1223	D2	TP1398	E3	X640	H7
IC314	B6	IC1220	C2	IC1708	G2	P410	B1	Q1950	J2	TP54	C7	TP233	A7	TP641	H6	TP1224	D2	TP1490	F2	X1490	E3
IC540	J6	IC1270	A4	IC1709	G2	P411	C5	Q1951	J2	TP55	D6	TP234	A8	TP642	H6	TP1225	D2	TP1870	E2		
IC543	J7	IC1271	A1	IC1711	G2	P430	G4	Q1952	J2	TP56	D6	TP235	A8	TP643	H6	TP1226	D2	TP1871	E2		
IC544	J7	IC1273	B1	IC1712	G2	P431	G1	Q1953	J1	TP57	C7	TP236	A8	TP644	H6	TP1227	D2	TP1872	E2		
IC545	J7	IC1311	C1	IC1801	H1	P1110	E1	TG1	C8	TP58	C7	TP237	A8	TP645	H6	TP1228	D2	TP1873	D2		
IC549	J6	IC1330	A2	IC1802	H2	P1111	J2	TG4	E8	TP59	B7	TP238	A8	TP646	H6	TP1229	D2	TP1920	D8		
IC550	J6	IC1393	E4	IC1807	G1	P1112	J2	TG110	F8	TP80	C6	TP239	B8	TP647	G7	TP1230	C2	TP1921	D8		
IC551	J6	IC1398	D3	IC1808	H1	Q480	J7	TG137	G8	TP81	C6	TP240	B8	TP770	F4	TP1231	C2	TP1922	D8		
IC570	H8	IC1490	F3	IC1876	E2	Q481	J6	TG311	A7	TP82	A5	TP241	B8	TP1160	C3	TP1232	C2	TP1923	D8		



(COMPONENT SIDE)

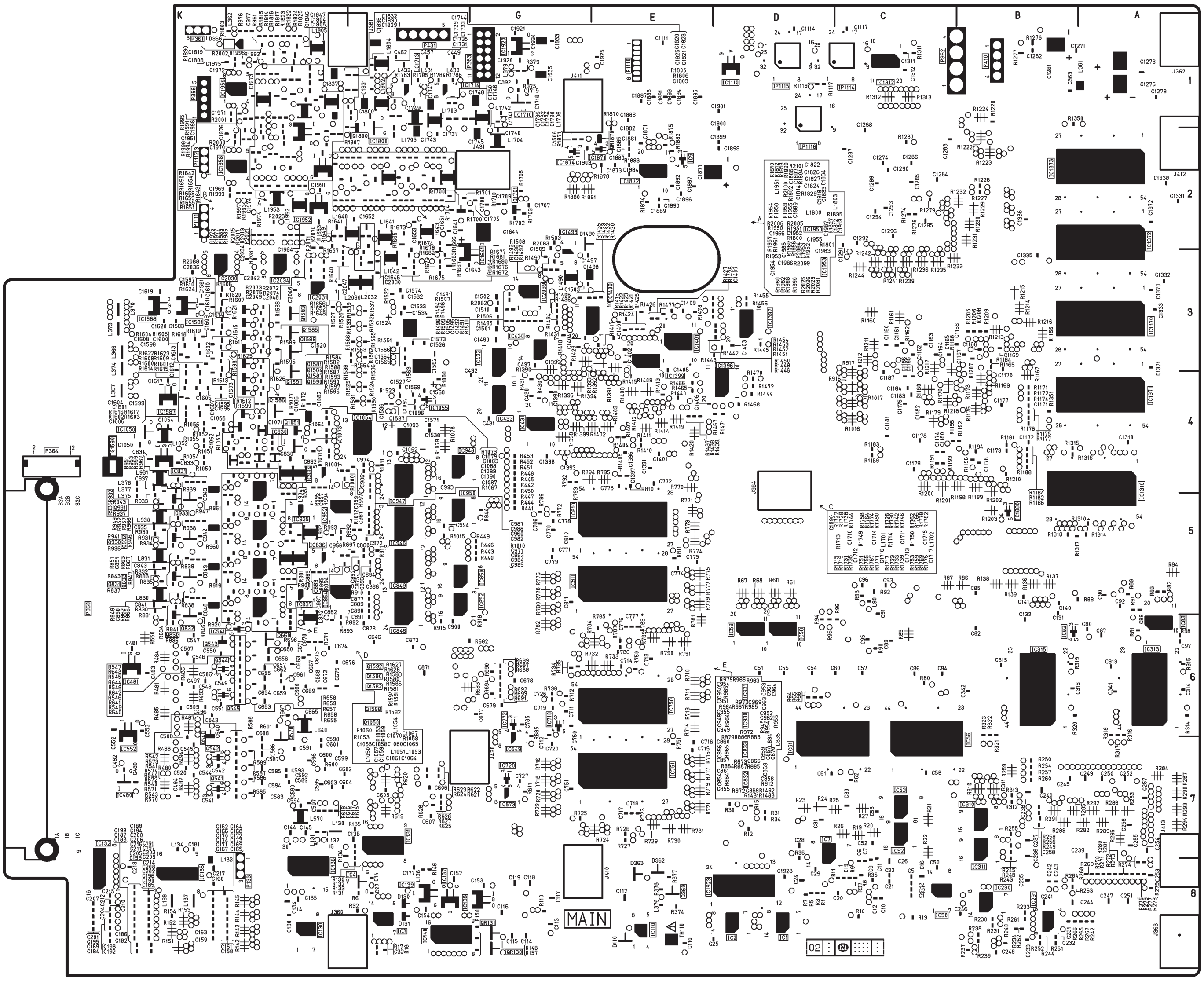
MAIN P.C. BOARD (VEP66448A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	D8	IC315	B6	IC931	K4	IC1714	H1	Q660	K6	TG1580	K4
IC2	E8	IC430	G3	IC934	J4	IC1800	J1	Q830	K5	TH110	E8
IC3	J8	IC431	G4	IC935	J5	IC1871	G2	Q831	K5		
IC4	J8	IC432	H3	IC946	H5	IC1872	E2	Q832	K6		
IC7	D7	IC433	H4	IC947	H4	IC1874	G2	Q833	K5		
IC9	E2	IC480	K7	IC948	H4	IC1880	B5	Q930	K5		
IC50	C8	IC481	K6	IC950	H5	IC1920	G1	Q931	K5		
IC52	C7	IC541	K6	IC952	J5	IC1923	E8	Q932	K5		
IC53	C7	IC552	K6	IC1050	K4	IC1950	J2	Q933	K5		
IC56	C7	IC573	H7	IC1054	J4	IC1952	J2	Q1050	K4		
IC58	D6	IC649	H7	IC1055	H4	IC1953	J2	Q1051	J4		
IC59	E6	IC710	G6	IC1110	E1	IC1956	K1	Q1580	K4		
IC61	D7	IC728	H7	IC1310	B4	IC1958	K2	Q1581	K3		
IC82	B6	IC750	G6	IC1312	C1	IC2030	K3	Q1582	K4		
IC83	A6	IC751	G7	IC1370	B3	IC2031	J3	Q1583	J3		
IC110	E8	IC772	H6	IC1371	B4	IC2034	J3	Q1584	K3		
IC130	J8	IC810	G5	IC1372	B2	IC2039	G3	Q1585	J3		
IC131	J7	IC811	G5	IC1373	B2	IP1114	D1	Q1586	K4		
IC132	K8	IC830	J4	IC1396	E4	IP1115	D1	Q1587	K3		
IC135	K8	IC831	K4	IC1397	E3	IP1116	D1	Q1588	K4		
IC136	J8	IC832	K5	IC1399	E3	P360	K6	Q1589	J3		
IC137	H8	IC833	K5	IC1400	G3	P364	K4	Q1590	K3		
IC138	H8	IC836	J5	IC1401	E3	Q360	E8	Q1591	J3		
IC139	H8	IC837	J5	IC1493	G3	Q540	K6	Q1592	K3		
IC140	H8	IC848	H5	IC1581	K3	Q541	K7	Q1700	H2		
IC230	C8	IC849	H5	IC1587	K4	Q542	K7	Q1701	H2		
IC231	B8	IC850	H5	IC1588	K3	Q543	K6	Q1800	J1		
IC310	C7	IC852	H5	IC1641	H3	Q544	K6	QR130	H8		
IC311	C7	IC854	J5	IC1710	G1	Q545	K6	QR131	H8		
IC313	A6	IC930	K5	IC1713	H1	Q570	J7	QR1870	G2		

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警告

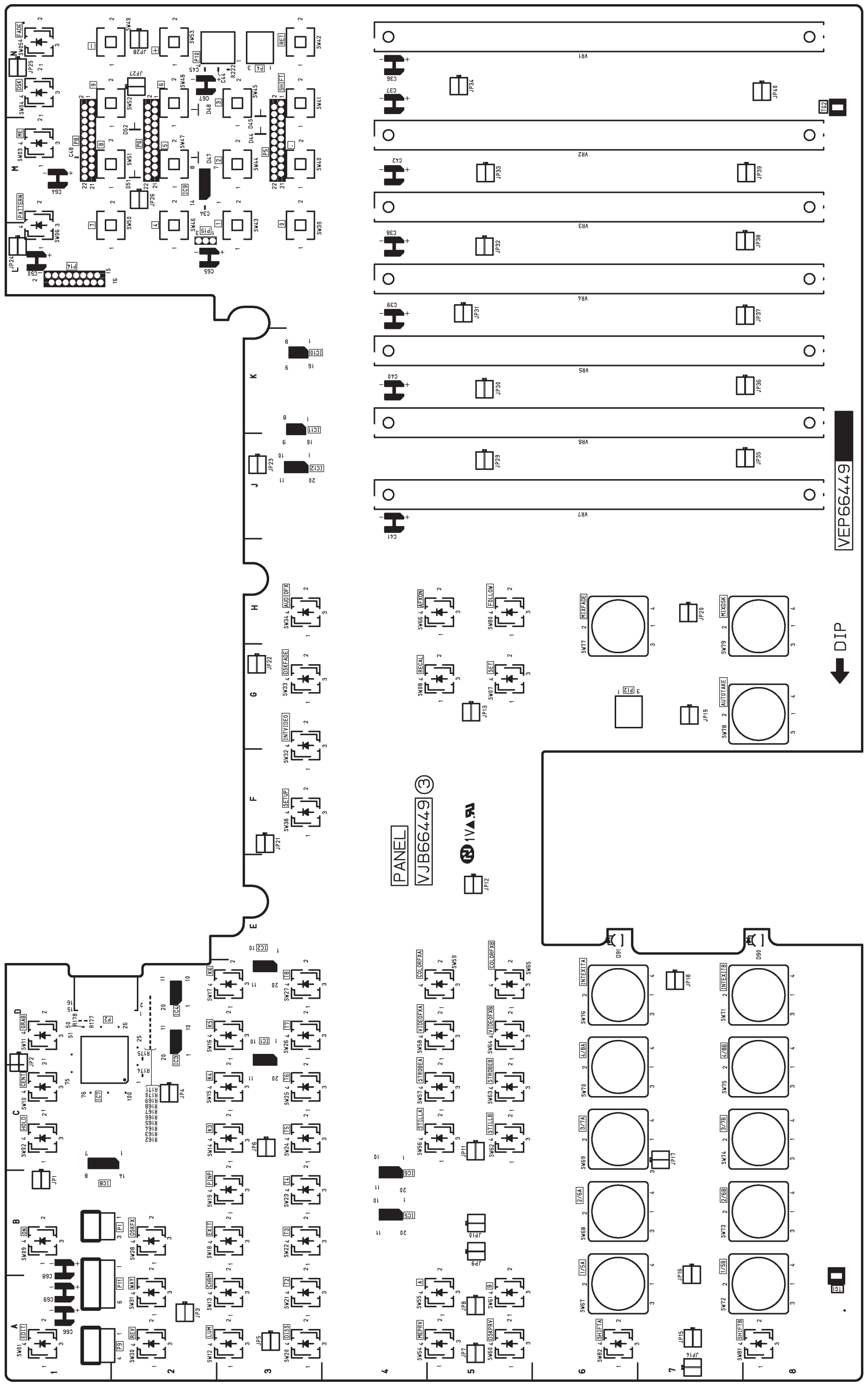
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。



(FOIL SIDE)

PANEL P.C. BOARD (VEP66449A)

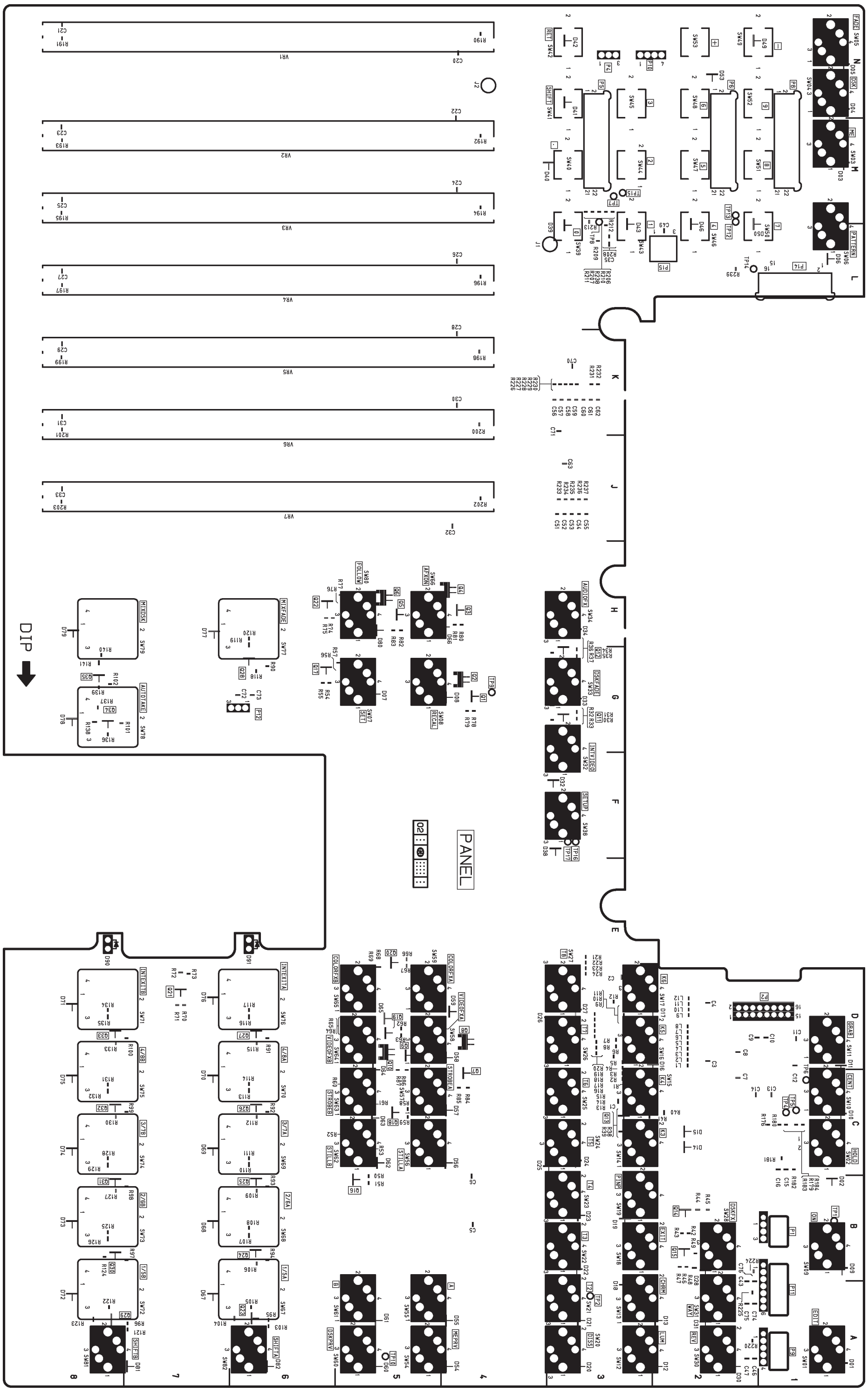
REF	LOC	REF	LOC
IC1	D3	SW60	A5
IC2	D3	SW61	A5
IC3	D2	SW62	C5
IC4	D2	SW63	C5
IC5	B4	SW64	D5
IC6	B4	SW65	D5
IC7	D1	SW66	H5
IC8	C1	SW67	A6
IC9	M2	SW68	B6
IC10	K3	SW69	C6
IC11	K3	SW70	C6
IC12	J3	SW71	D8
P1	B1	SW72	A8
P2	D1	SW73	B8
P4	N3	SW74	C8
P5	M3	SW75	C8
P6	M2	SW76	D6
P8	M1	SW77	H6
P9	A1	SW78	G8
P10	N3	SW79	H8
P11	A1	SW80	H5
P12	G6	SW82	A6
P14	L1	TG1	A8
P15	L2	TG2	N8
SW01	A1	VR1	N6
SW02	C1	VR2	M6
SW03	M1	VR3	M6
SW04	N1	VR4	L6
SW05	N1	VR5	K6
SW06	L1	VR6	K6
SW07	G5	VR7	L6
SW08	G5		
SW09	B1		
SW10	C1		
SW11	D1		
SW12	A3		
SW13	A3		
SW14	C3		
SW15	C3		
SW16	D3		
SW17	D3		
SW18	B3		
SW19	B3		
SW20	A3		
SW21	A3		
SW22	B3		
SW23	B3		
SW24	C3		
SW25	C3		
SW26	D3		
SW27	D3		
SW28	B2		
SW30	A2		
SW31	A2		
SW32	G3		
SW33	G3		
SW34	H3		
SW38	F3		
SW39	L3		
SW40	M3		
SW41	N3		
SW42	N3		
SW43	L3		
SW44	M3		
SW45	N3		
SW46	L2		
SW47	M2		
SW48	N2		
SW49	N1		
SW50	L1		
SW51	M1		



(COMPONENT SIDE)

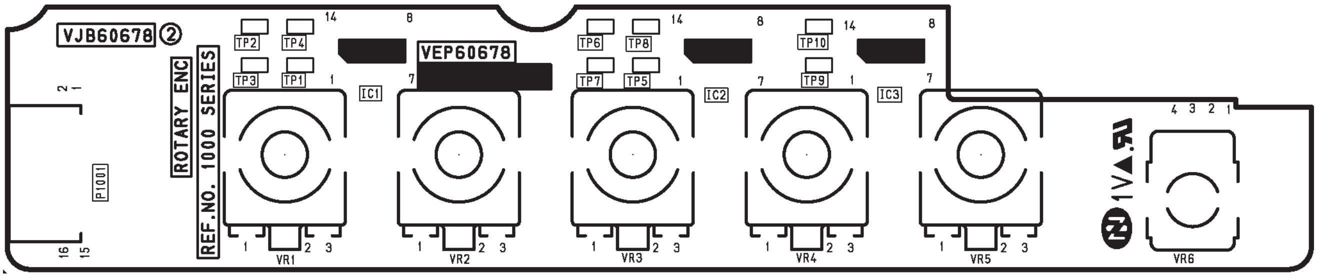
PANEL P.C. BOARD (VEP66449A)

REF	LOC	REF	LOC
IC1	D3	SW60	A5
IC2	D3	SW61	A5
IC3	D2	SW62	C5
IC4	D2	SW63	C5
IC5	B4	SW64	D5
IC6	B4	SW65	D5
IC7	D1	SW66	H5
IC8	C1	SW67	A6
IC9	M2	SW68	B6
IC10	K3	SW69	C6
IC11	K3	SW70	C6
IC12	J3	SW71	D8
P1	B1	SW72	A8
P2	D1	SW73	B8
P4	N3	SW74	C8
P5	M3	SW75	C8
P6	M2	SW76	D6
P8	M1	SW77	H6
P9	A1	SW78	G8
P10	N3	SW79	H8
P11	A1	SW80	H5
P12	G6	SW82	A6
P14	L1	TG1	A8
P15	L2	TG2	N8
SW01	A1	VR1	N6
SW02	C1	VR2	M6
SW03	M1	VR3	M6
SW04	N1	VR4	L6
SW05	N1	VR5	K6
SW06	L1	VR6	K6
SW07	G5	VR7	L6
SW08	G5		
SW09	B1		
SW10	C1		
SW11	D1		
SW12	A3		
SW13	A3		
SW14	C3		
SW15	C3		
SW16	D3		
SW17	D3		
SW18	B3		
SW19	B3		
SW20	A3		
SW21	A3		
SW22	B3		
SW23	B3		
SW24	C3		
SW25	C3		
SW26	D3		
SW27	D3		
SW28	B2		
SW30	A2		
SW31	A2		
SW32	G3		
SW33	G3		
SW34	H3		
SW38	F3		
SW39	L3		
SW40	M3		
SW41	N3		
SW42	N3		
SW43	L3		
SW44	M3		
SW45	N3		
SW46	L2		
SW47	M2		
SW48	N2		
SW49	N1		
SW50	L1		
SW51	M1		

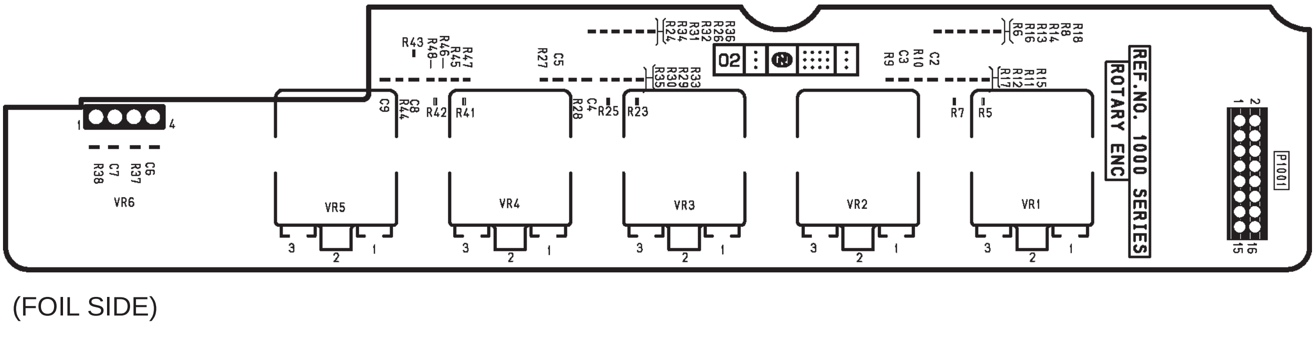


(FOIL SIDE)

ROTARY SW P.C. BOARD (VEP60678A)


VJB60678 ②
VEP60678
ROTARY ENC
REF.NO. 1000 SERIES
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
IC1
IC2
IC3
P1001
VR1
VR2
VR3
VR4
VR5
VR6

(COMPONENT SIDE)

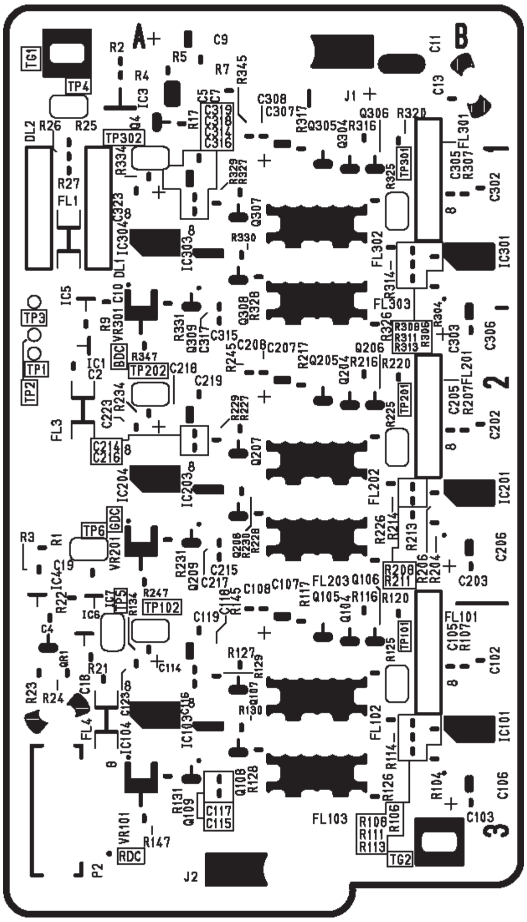

REF.NO. 1000 SERIES
ROTARY ENC
P1001
Q2
R43
R46
R48
R47
R45
R27
C5
R24
R34
R31
R32
R36
R26
R35
R30
R29
R33
R9
C3
R10
C2
R6
R16
R14
R13
R18
R8
R17
R12
R11
R15
C9
C8
R44
R42
R41
R28
C4
R25
R23
R7
R5
R38
C7
R37
C6
VR1
VR2
VR3
VR4
VR5
VR6

(FOIL SIDE)

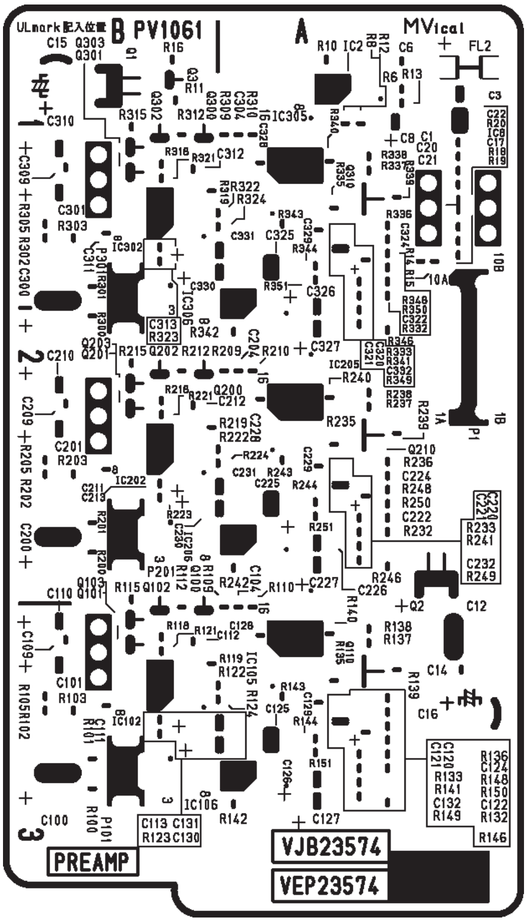
A MUTE P.C. BOARD (VEP64184A)

REF	LOC	REF	LOC	REF	LOC
IC1	A2	Q107	B3	TP4	A1
IC3	A1	Q108	B3	TP5	A3
IC4	A2	Q109	A3	TP6	A2
IC5	A1	Q204	B2	TP101	B3
IC6	A3	Q205	B2	TP201	A3
IC7	A2	Q206	B2	TP201	B2
IC101	B3	Q207	B2	TP202	A2
IC103	B3	Q208	B2	TP301	B1
IC104	A3	Q209	B2	TP302	A1
IC201	B2	Q304	B1	VR101	A3
IC203	B2	Q305	B1	VR201	A2
IC204	A2	Q306	B1	VR301	A2
IC301	B1	Q307	B1		
IC303	B1	Q308	B2		
IC304	A1	Q309	B2		
P2	A3	TG1	A1		
Q104	B3	TG2	B3		
Q102	B3	TP1	A2		
Q105	B2	TP2	A2		
Q106	B2	TP3	A1		

REF	LOC	REF	LOC
IC2	A1	Q103	B3
IC102	B3	Q110	A3
IC105	A3	Q200	A2
IC106	B3	Q201	B2
IC202	B2	Q202	B2
IC205	A2	Q203	B2
IC206	B2	Q210	A2
IC302	B1	Q300	B1
IC305	A1	Q301	B1
IC306	B1	Q302	B1
P1	A2	Q303	B1
P101	B3	Q310	A1
P201	B2		
P301	B1		
Q1	B1		
Q2	A3		
Q3	B1		
Q100	B2		
Q101	B3		
Q102	B3		

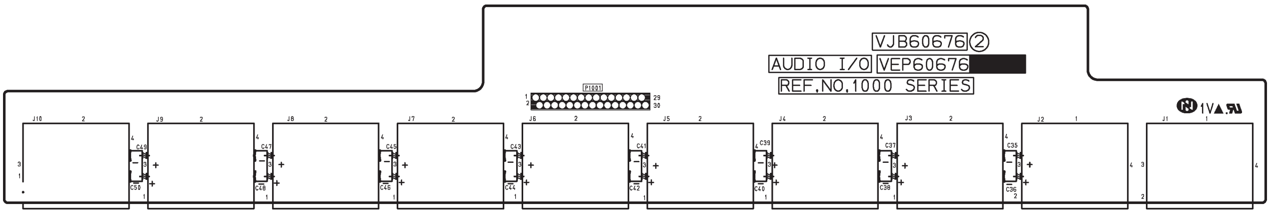

A
B
1
2
3
TG1
TG2
TP4
TP302
J1
J2
P2
FL101
FL102
FL103
FL201
FL202
FL203
FL301
FL302
FL303
IC101
IC201
IC301

(COMPONENT SIDE)

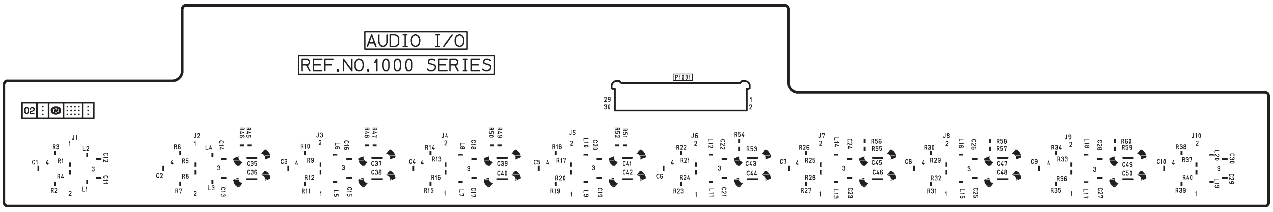

ULmark 記入位置
B
PV1061
A
MVical
1
2
3
P1
PREAMP
VJB23574
VEP23574

(FOIL SIDE)

AUDIO I/O P.C. BOARD (VEP60676B)

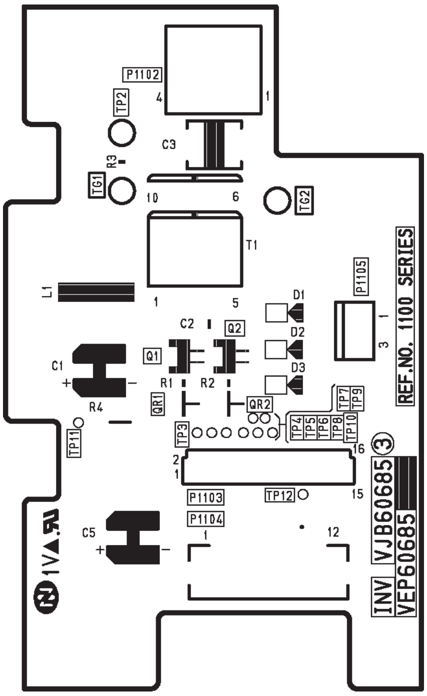

VJB60676②
AUDIO I/O
VEP60676
REF.NO.1000 SERIES
P1001
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10

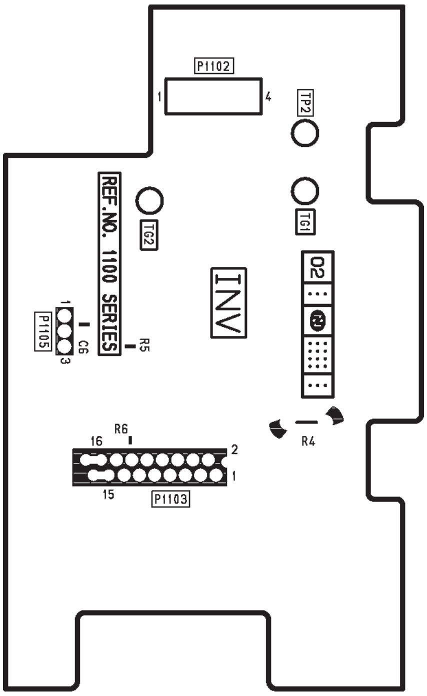
(COMPONENT SIDE)


AUDIO I/O
REF.NO.1000 SERIES
P1001

(FOIL SIDE)

INV P.C. BOARD (VEP60685A)

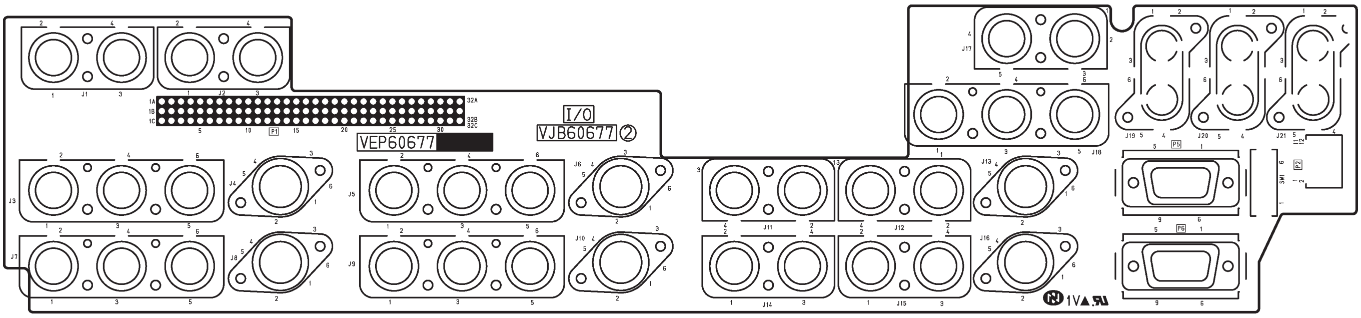

P1102
TP2
C3
R3
TG1
TG2
T1
L1
P1105
REF.NO. 1100 SERIES
D1
D2
D3
C2
Q2
Q1
C1
R1
R2
R4
QR1
QR2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
P1103
TP12
P1104
C5
VJB60685③
VEP60685
INV


P1102
TP2
REF.NO. 1100 SERIES
TG2
TG1
INV
D2
P1105
C6
R5
R6
R4
P1103

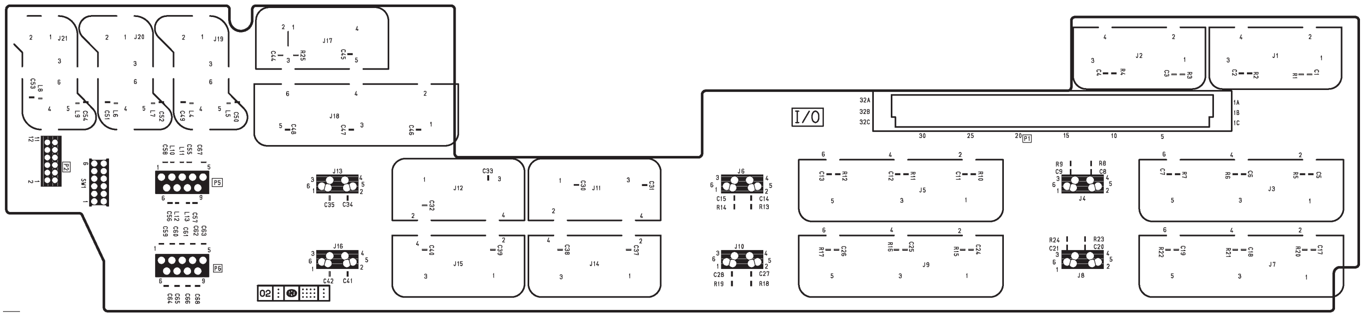
(COMPONENT SIDE)

(FOIL SIDE)

I/O P.C. BOARD (VEP60677A)

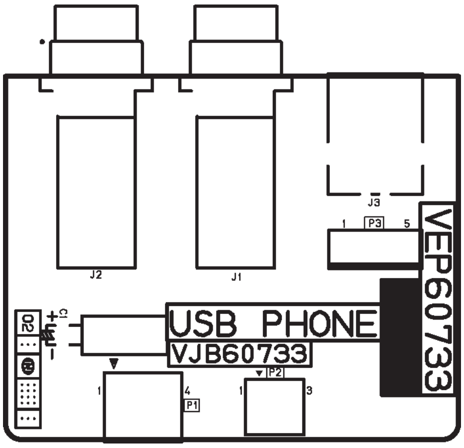

I/O
VJB60677 ②
VEP60677
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
J13
J14
J15
J16
J17
J18
J19
J20
J21
P1
P5
P6
P2
SW1
32A
32B
32C
1VA

(COMPONENT SIDE)

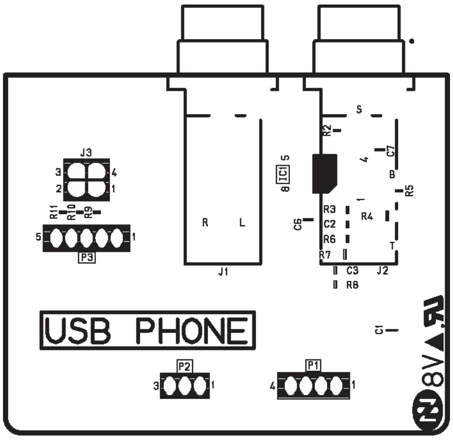

I/O
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
J13
J14
J15
J16
J17
J18
J19
J20
J21
P1
P2
P5
P6
SW1
32A
32B
32C

(FOIL SIDE)

USB PHONE P.C. BOARD (VEP60733A)


VEP60733
USB PHONE
VJB60733
J1
J2
J3
P1
P2
P3
C1
D2
1
3
4
5

(COMPONENT SIDE)


USB PHONE
J1
J2
J3
P1
P2
P3
IC1
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
C1
C2
C3
C5
C7
R
L
S
B
T
8V

(FOIL SIDE)

POWER MAIN P.C. BOARD (VEP61294A)

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警告

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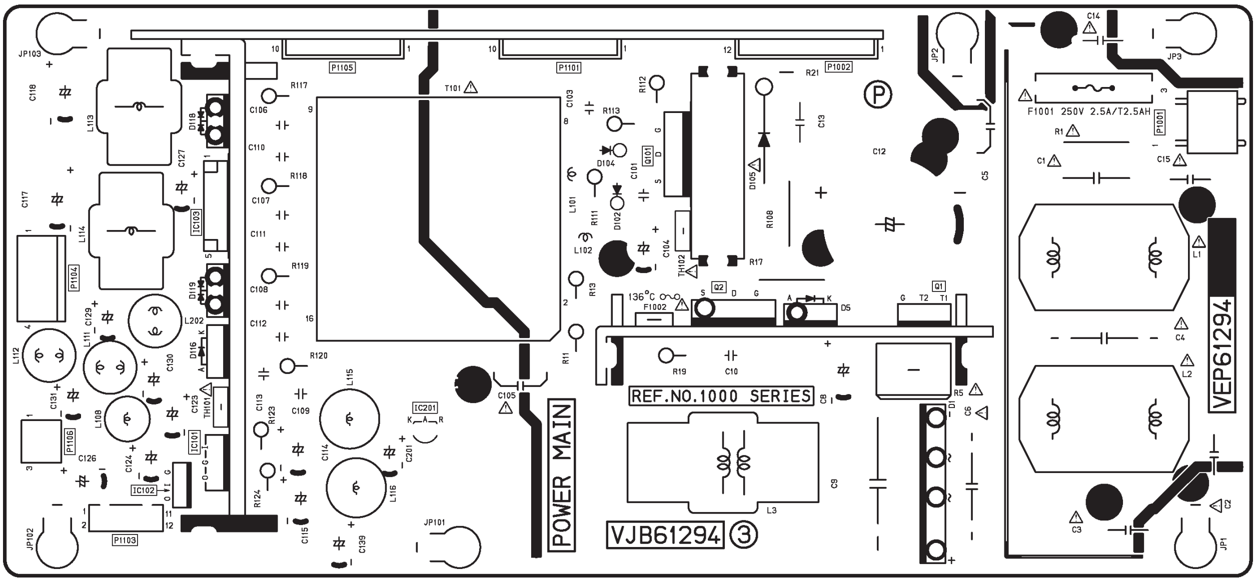
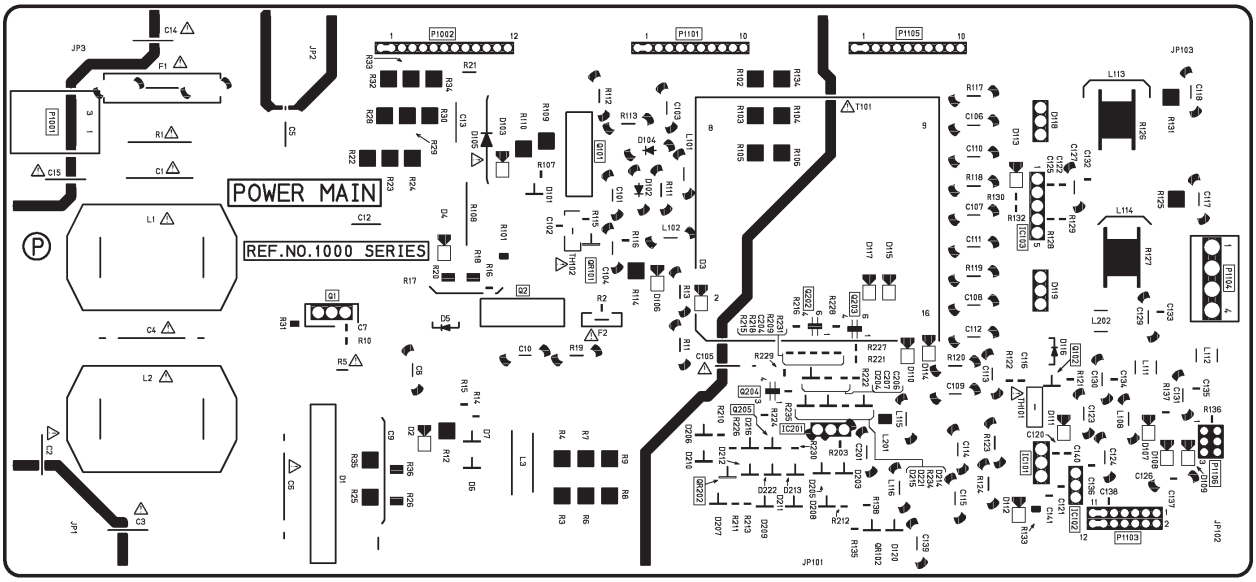
交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。


POWER MAIN
REF.NO.1000 SERIES
VJB61294 ③
VEP61294
F1001 250V 2.5A/T2.5AH

(COMPONENT SIDE)


POWER MAIN
REF.NO.1000 SERIES

(FOIL SIDE)

POWER SUB P.C. BOARD (VEP61295A)

CAUTION

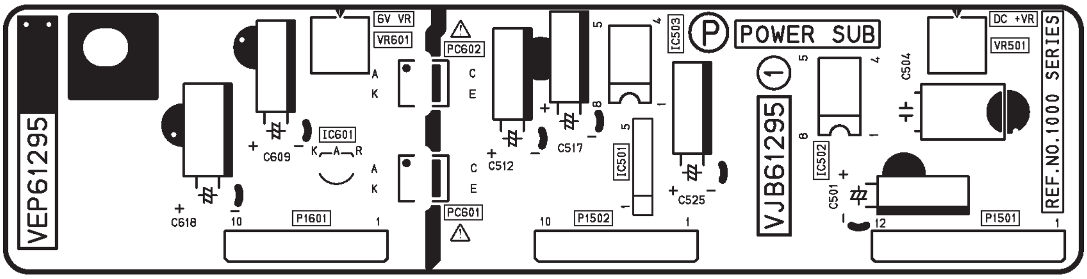
THE ▬ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

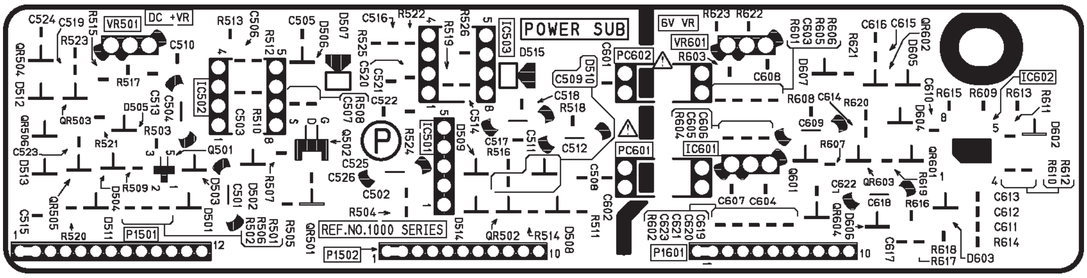
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

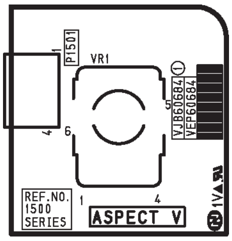

VEP61295
6V VR
VR601
PC602
PC601
IC601
K
A
R
C
E
C609
C618
P1601
10
1
C512
C517
P1502
IC501
IC503
C525
POWER SUB
①
VJB61295
IC502
C504
C501
DC +VR
VR501
P1501
12
REF.NO.1000 SERIES

(COMPONENT SIDE)

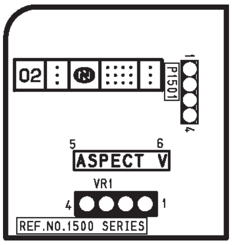

C524
C519
R515
VR501
DC +VR
R523
C510
R517
QR504
D512
QR503
D505
C513
C504
R503
R521
C523
QR506
D513
R509
D504
QR505
C515
R520
D511
P1501
12
R513
C506
C505
D506
D507
R512
IC502
C503
R510
Q501
D503
C501
D502
R507
R506
R502
R505
D501
QR501
C516
R522
R526
R525
C520
C521
R508
C507
C522
Q502
R524
C525
C526
C502
R504
REF.NO.1000 SERIES
P1502
R519
IC503
D515
IC501
D509
C514
C517
R516
C511
C509
D510
C518
R518
C512
QR502
R514
D508
C508
C602
R511
POWER SUB
6V VR
VR601
R623
R622
R603
PC602
PC601
C601
C608
R601
C603
R605
R606
R621
D607
R608
C614
R620
C609
C606
C605
R604
R607
IC601
Q601
C607
C604
C622
QR603
C618
QR604
D606
R619
QR601
R616
C619
C620
C621
C623
R602
P1601
10
C617
C616
C615
QR602
D605
C610
D604
R615
R609
R613
R611
D602
IC602
R612
R610
C613
C612
C611
R614
R618
R617
D603

(FOIL SIDE)

ASPECT V P.C. BOARD (VEP60684A)

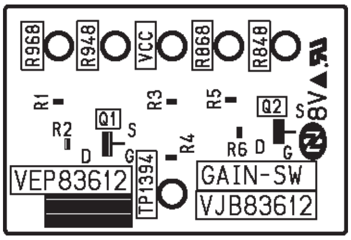

P1501
1
4
VR1
6
5
①
VJB60684
VEP60684
REF.NO.
1500
SERIES
1
4
ASPECT V
1V

(COMPONENT SIDE)


02
P1501
1
4
5
6
ASPECT V
VR1
4
1
REF.NO.1500 SERIES

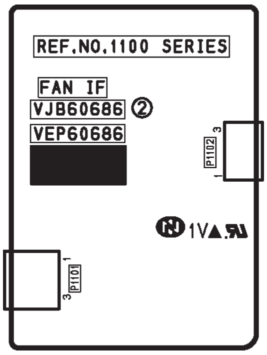
(FOIL SIDE)

GAIN SW P.C. BOARD (VEP83612A)

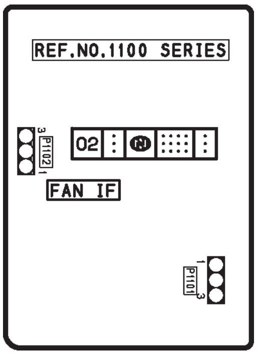

R968
R948
VCC
R868
R848
8V
R1
R3
R5
Q1
Q2
S
R2
D
G
R4
R6
VEP83612
TP1394
GAIN-SW
VJB83612

(COMPONENT SIDE)

FAN IF P.C. BOARD (VEP60686A)

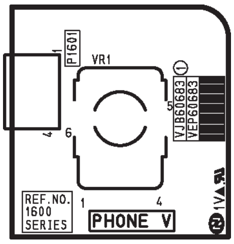

REF.NO.1100 SERIES
FAN IF
VJB60686
②
VEP60686
P1102
3
1
1V
P1101
1
3

(COMPONENT SIDE)

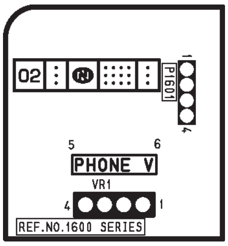

REF.NO.1100 SERIES
P1102
3
1
02
FAN IF
P1101
1
3

(FOIL SIDE)

PHONE V P.C. BOARD (VEP60683A)

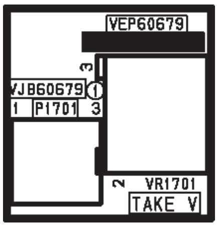

P1601
VR1
VJB60683
VEP60683
①
REF.NO.
1600
SERIES
PHONE V
1
4
5
6

(COMPONENT SIDE)

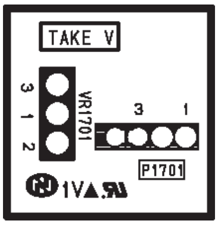

02
P1601
PHONE V
VR1
REF.NO.1600 SERIES
5
6
4
1

(FOIL SIDE)

TAKE V P.C. BOARD (VEP60679A)

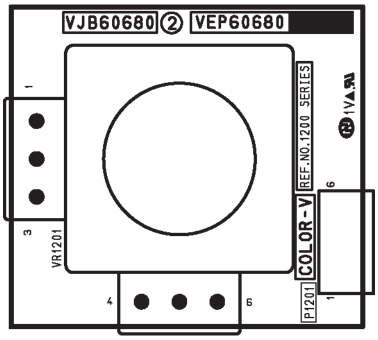

VEP60679
VJB60679
①
P1701
1
3
2
VR1701
TAKE V

(COMPONENT SIDE)

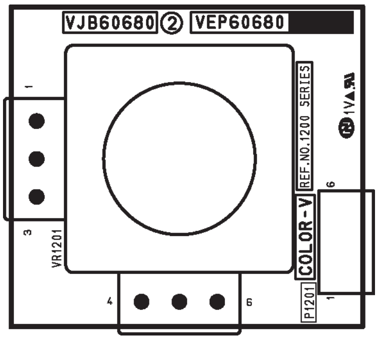

TAKE V
VR1701
3
1
2
P1701
1V

(FOIL SIDE)

COLOR V P.C. BOARD (VEP60680A)

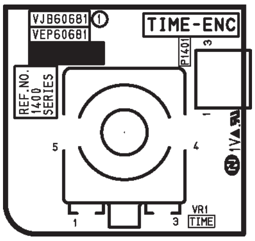

VJB60680
②
VEP60680
REF.NO.1200 SERIES
COLOR-V
P1201
VR1201
1V
1
3
4
6

(COMPONENT SIDE)

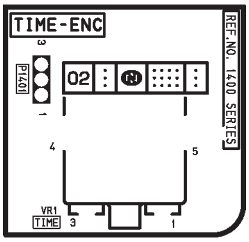

VJB60680
②
VEP60680
REF.NO.1200 SERIES
COLOR-V
P1201
VR1201
1V
1
3
4
6

(FOIL SIDE)

TIME ENC P.C. BOARD (VEP60681A)

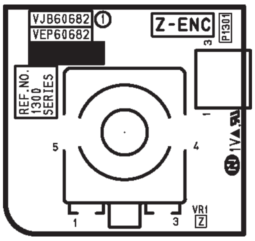

VJB60681
VEP60681
TIME-ENC
P1401
3
REF.NO.
1400
SERIES
1
5
4
VR1
TIME
1
3

(COMPONENT SIDE)

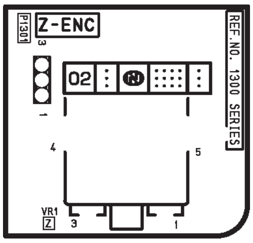

TIME-ENC
REF.NO. 1400 SERIES
3
P1401
02
1
4
5
VR1
TIME
3
1

(FOIL SIDE)

Z ENC P.C. BOARD (VEP60682A)


VJB60682
VEP60682
Z-ENC
P1301
3
REF.NO.
1300
SERIES
1
5
4
VR1
Z
1
3

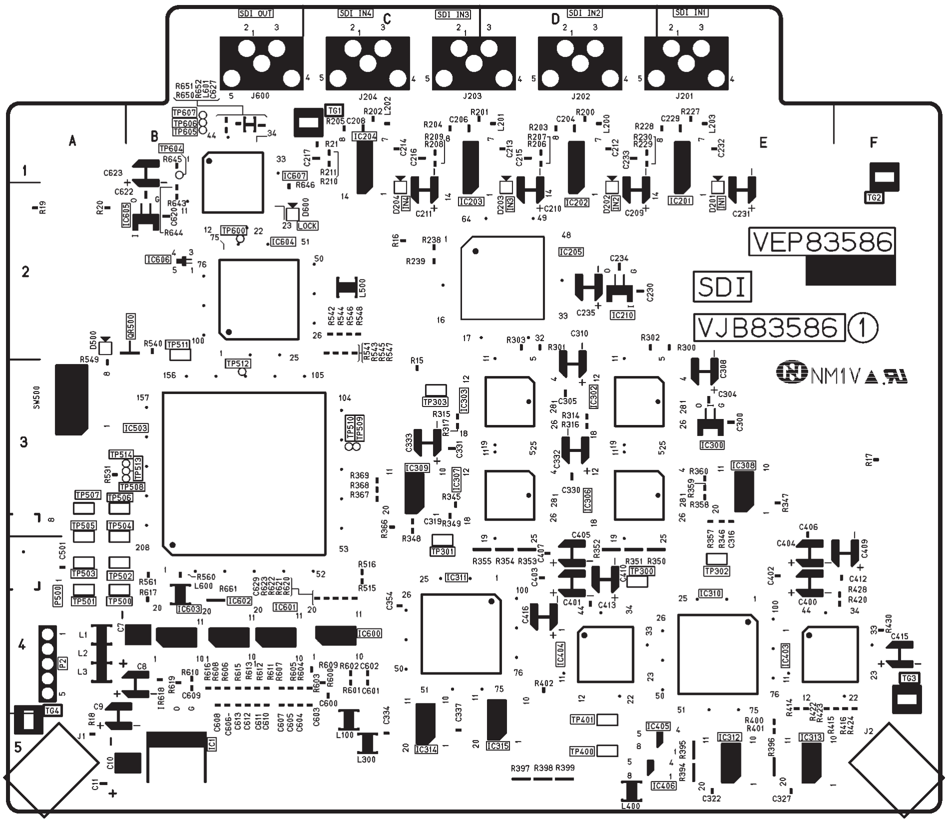
(COMPONENT SIDE)


P1301
Z-ENC
REF.NO. 1300 SERIES
3
02
1
4
5
VR1
Z
3
1

(FOIL SIDE)

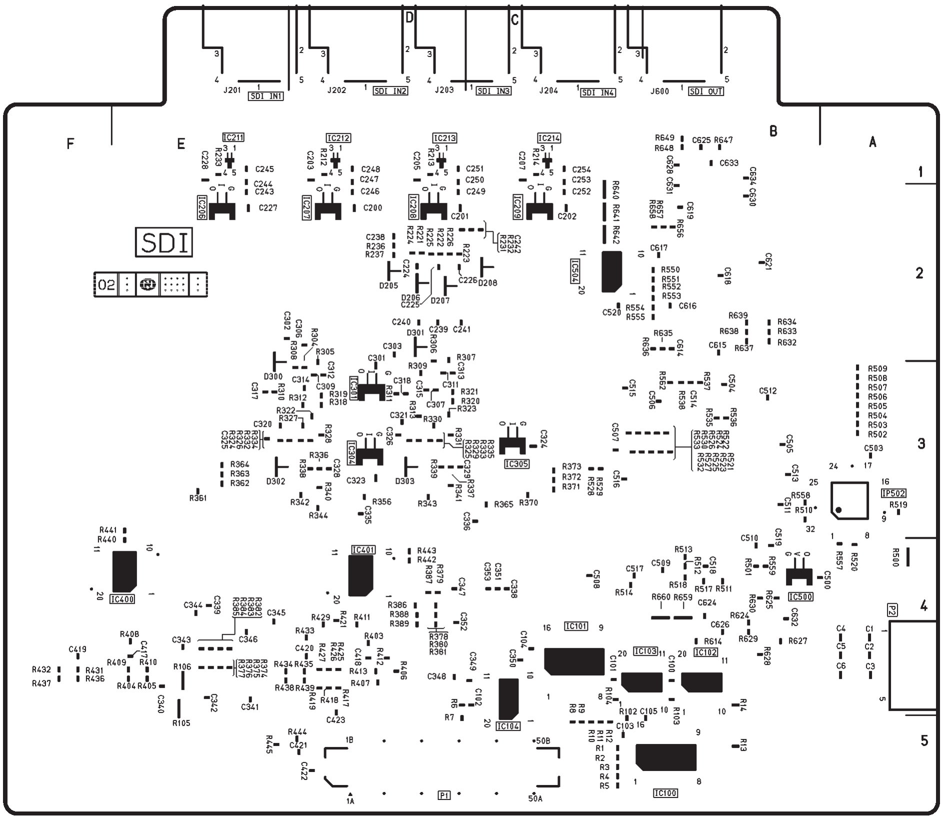
AG-YA70P SDI P.C. BOARD (VEP83586B)

REF	LOC	REF	LOC
IC1	B5	P500	A4
IC201	E1	QR500	B2
IC202	D1	SW500	A3
IC203	C1	TG1	C1
IC204	C1	TG2	F1
IC205	D2	TG3	F4
IC210	D2	TG4	A5
IC300	E3	TP300	D4
IC302	D3	TP301	C4
IC303	D3	TP302	E4
IC306	D3	TP303	C3
IC307	D3	TP400	D5
IC308	E3	TP401	D5
IC309	C3	TP500	A4
IC310	E4	TP501	A4
IC311	C4	TP502	A4
IC312	E5	TP503	A4
IC313	E5	TP504	A4
IC314	C5	TP505	A4
IC315	D5	TP506	A3
IC403	E4	TP507	A3
IC404	D4	TP508	A3
IC405	D5	TP509	C3
IC406	D5	TP510	C3
IC503	B3	TP511	B2
IC600	C4	TP512	B3
IC601	B4	TP513	A3
IC602	B4	TP514	A3
IC603	B4	TP600	B2
IC604	B2	TP604	B1
IC605	B2	TP605	B1
IC606	B2	TP606	B1
IC607	B1	TP607	B1


SDI OUT
SDI IN4
SDI IN3
SDI IN2
SDI IN1
J600
J204
J203
J202
J201
A
B
C
D
E
F
1
2
3
4
5
VEP83586
SDI
VJB83586 ①
NM1V

(COMPONENT SIDE)

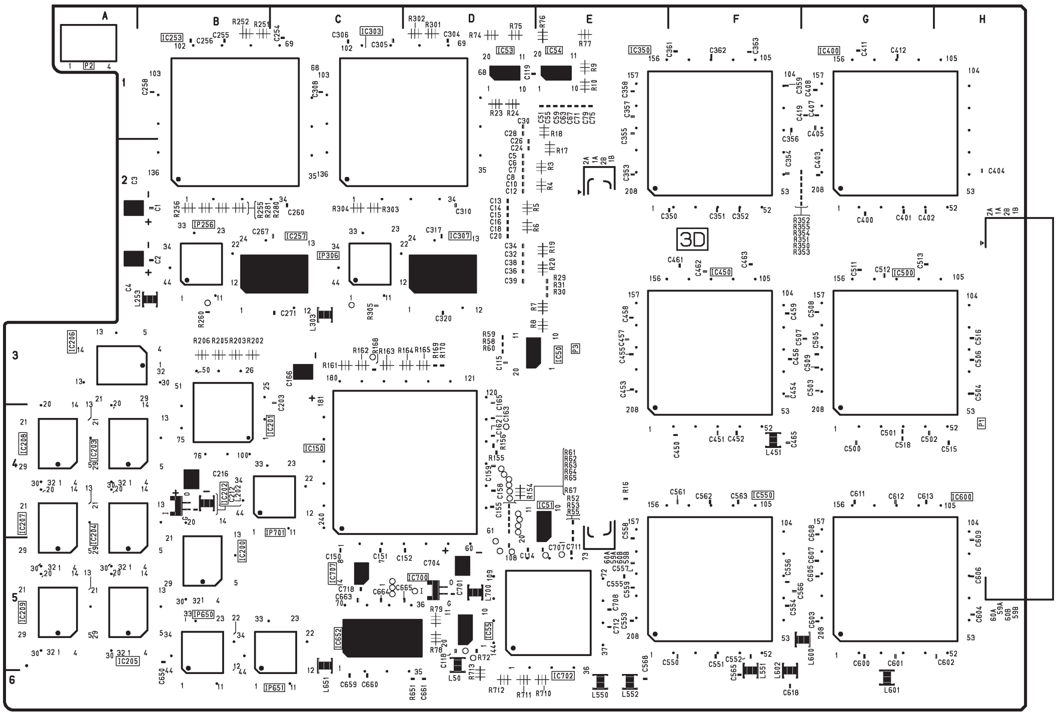
REF	LOC
IC100	B5
IC101	C4
IC102	B4
IC103	C4
IC104	C4
IC206	E2
IC207	D2
IC208	D2
IC209	C2
IC211	E1
IC212	D1
IC213	D1
IC214	C1
IC301	D3
IC304	D3
IC305	C3
IC400	E4
IC401	D4
IC500	B4
IC504	C2
P1	D5
P2	A4
IP502	A3


J201
SDI IN1
J202
SDI IN2
J203
SDI IN3
J204
SDI IN4
J600
SDI OUT
F
E
D
C
B
A
1
2
3
4
5
SDI

(FOIL SIDE)

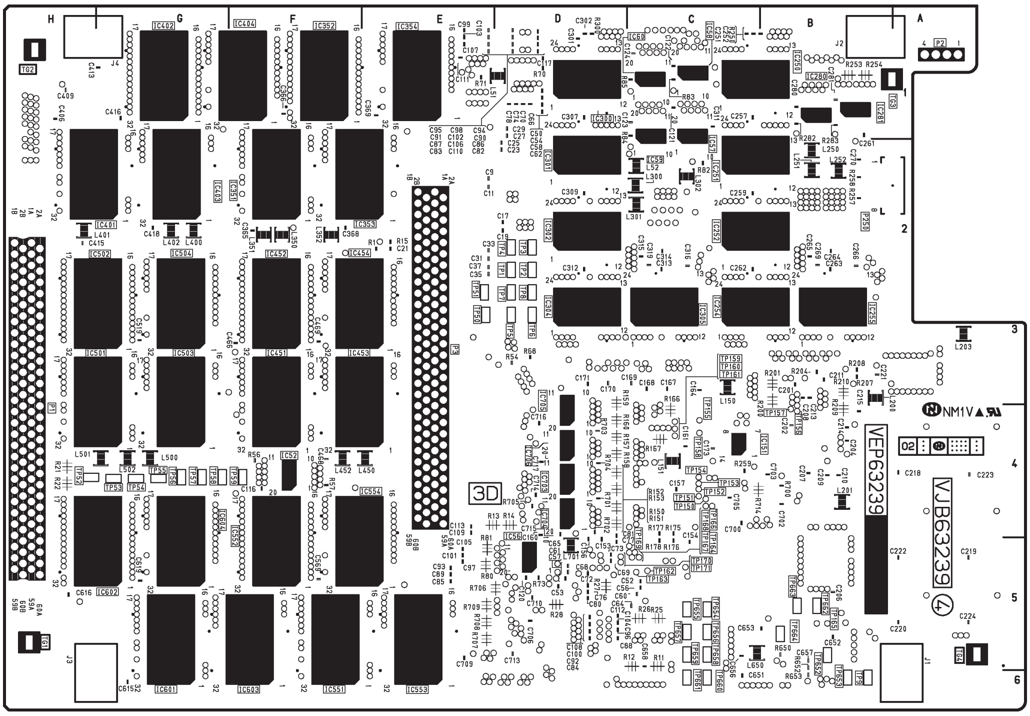
AG-VE70P 3D P.C. BOARD (VEP63239A)

REF	LOC
IC50	D3
IC51	E4
IC53	D1
IC54	E1
IC55	D5
IC150	C4
IC200	B5
IC201	B4
IC202	B4
IC203	A4
IC204	A4
IC205	A5
IC206	A3
IC207	A4
IC208	A4
IC209	A5
IC253	B1
IC257	B2
IC303	C1
IC307	D2
IC350	E1
IC400	G1
IC450	F3
IC500	F3
IC550	F4
IC600	H4
IC652	C5
IC700	D5
IC702	E5
IC707	C5
IP256	B2
IP306	C2
IP650	B5
IP651	B6
IP701	C4
P1	H4
P2	A1
P3	E3


A
B
C
D
E
F
G
H
1
2
3
4
5
6
3D
IC253
IC303
IC53
IC54
IC350
IC400
IC257
IC307
IC450
IC500
IC150
IC550
IC600
IC652
IC700
IC702
IC205
P1
P2
P3

(COMPONENT SIDE)

REF	LOC	REF	LOC
IC52	F4	TP2	D2
IC56	D5	TP3	D2
IC57	C1	TP4	D2
IC58	C1	TP5	D2
IC59	C1	TP6	D2
IC60	C1	TP7	D2
IC151	C4	TP8	D2
IC250	C1	TP9	B6
IC251	C2	TP50	E2
IC252	C2	TP51	E2
IC254	C2	TP52	H4
IC255	B2	TP53	G4
IC280	B1	TP54	G4
IC281	B1	TP55	G4
IC300	D1	TP56	G4
IC301	D2	TP57	G4
IC302	D2	TP58	G4
IC304	D2	TP59	F4
IC305	C2	TP150	C4
IC351	F2	TP151	C4
IC352	F1	TP152	C4
IC353	E2	TP153	C4
IC354	E1	TP154	C4
IC401	H2	TP155	C4
IC402	G1	TP156	B4
IC403	G2	TP157	B4
IC404	F1	TP158	C4
IC451	F3	TP159	C4
IC452	F2	TP160	C4
IC453	E3	TP161	C4
IC454	E2	TP162	C5
IC501	H3	TP163	C5
IC502	H2	TP164	C5
IC503	G3	TP165	B5
IC504	G2	TP166	C5
IC551	F5	TP167	C5
IC552	F4	TP168	C5
IC553	E5	TP169	C5
IC554	E4	TP170	D5
IC601	G5	TP171	D5
IC602	H4	TP652	B5
IC603	F5	TP653	B6
IC604	G4	TP654	C5
IC703	D4	TP655	C5
IC704	D4	TP656	C5
IC705	D4	TP657	C5
IC706	D4	TP658	C5
P250	A2	TP659	C5
TG1	H5	TP660	C6
TG2	H1	TP661	C6
TG3	A1	TP662	B5
TG4	A5	TP663	B5
TP1	D2	TP664	B5


H
G
F
E
D
C
B
A
1
2
3
4
5
6
3D
VEP63239
VJB63239
NM1V
IC402
IC404
IC352
IC354
IC401
IC502
IC504
IC452
IC454
IC501
IC503
IC451
IC453
IC602
IC601
IC603
IC551
IC553
IC554
J1
J2
J3
J4
P2

(FOIL SIDE)

SECTION 7

EXPLODED VIEWS
&
REPLACEMENT PARTS LISTS

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.

CONTENTS

AG-MX70 CHASSIS FRAME ASSEMBLY (1) PRT-1
AG-MX70 CHASSIS FRAME ASSEMBLY (2) PRT-3
AG-MX70 PACKING PARTS ASSEMBLY PRT-5
AG-MX70 ELECTRICAL REPLACEMENT PARTS LIST PRT-6
AG-YA70P PACKING PARTS ASSEMBLY PRT-21
AG-YA70P ELECTRICAL REPLACEMENT PARTS LIST PRT-22
AG-VE70P PACKING PARTS ASSEMBLY PRT-24
AG-VE70P ELECTRICAL REPLACEMENT PARTS LIST PRT-25

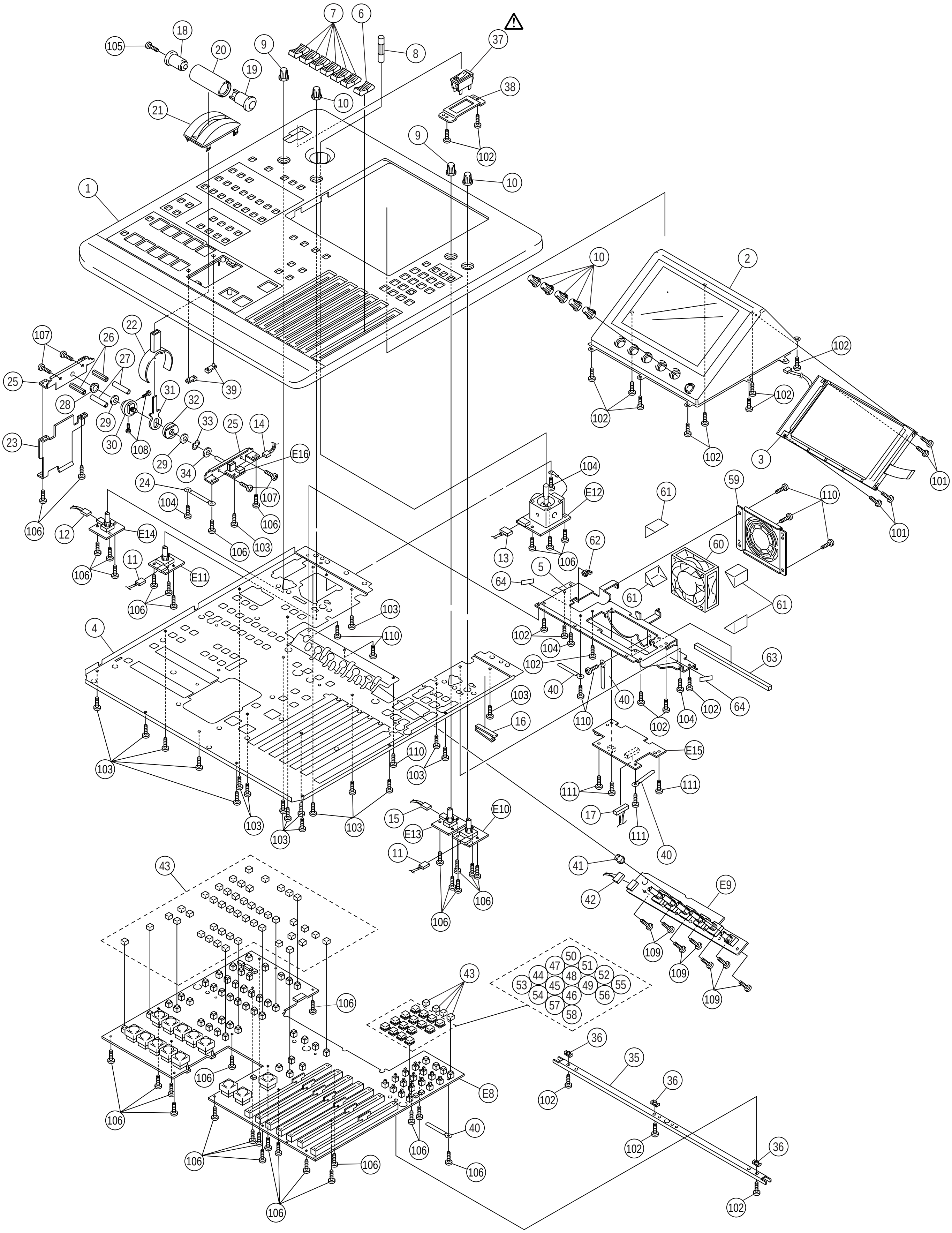
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-MX70 CHASSIS FRAME ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8569	TOP CASE 1 ASS'Y	1	
2	VYP8660	LCD CASE 1 ASS'Y	1	
3	L5ADBNL00001	LCD	1	
4	VSC5370	SHIELD CASE TOP	1	
5	VMP7165	INVERTER ANGLE	1	
6	A5RB1060B3	FADER KNOB (RED)	1	
7	A5RA1060B3	FADER KNOB (WHITE)	6	
8	V5RA0334A3	COLOR CORRECTER KNOB	1	
9	V5RC0372A3	VR KNOB	2	
10	V5RD0372A3	VR KNOB	7	
11	VEE0S14	CABLE	2	
12	VEE0S15	CABLE	1	
13	VEE0S17	CABLE	1	
14	VEE0S23	CABLE	1	
15	VEE0S16	CABLE	1	
16	VJF1058	CABLE CLAMPER	1	
17	VWJ16F4150T1	FLAT CABLE	1	
18	VGU9109	FADER CAP A	1	
19	VGU9110	FADER CAP B	1	
20	VGU9111	FADER GLIP	1	
21	V5EA1150B3	FADER COVER	1	
22	V5EA1151A3	FADER LEVER COVER	1	
23	VMP7500	FADER ANGLE	1	
24	VEE2804	EARTH CABLE	1	
25	V2KA0778A4	FADER LEVER ANGLE	2	
26	MASB320	HEX SPACER	2	
27	V5GA0130A4	SILENCE SPACER	2	
28	V2NA0399B4	FADER SPACER	1	
29	V1KA0151A4	FADER WASHER (A)	2	
30	V4HA0192B3	FADER SHAFT	1	
31	V4RA0103A4	FADER LEVER	1	
32	V1FA0074A4	LOCK NUT	1	
33	V4JA0446A4	FADER SPACER	1	
34	V1KA0152A4	FADER WASHER (B)	1	
35	VMP7169	SUPPORT ANGLE	1	
36	VMX0699	PLATE SPACER	3	
⚠ 37	K0AAKE000053	AC SWITCH	1	
38	VMP7161	AC SWITCH ANGLE	1	
39	V1SA0088A3	PANEL LIGHT	2	
40	VJF1443	CLAMPER	4	
41	VGU6509	VOLUME KNOB	1	
42	VEE0S18	CABLE	1	
43	VGU9106ZW	OPERATION BUTTON	50	
44	VGU9108A01	BUTTON (1)	1	
45	VGU9108A02	BUTTON (2)	1	
46	VGU9108A03	BUTTON (3)	1	
47	VGU9108A04	BUTTON (4)	1	
48	VGU9108A05	BUTTON (5)	1	
49	VGU9108A06	BUTTON (6)	1	
50	VGU9108A07	BUTTON (7)	1	
51	VGU9108A08	BUTTON (8)	1	
52	VGU9108A09	BUTTON (9)	1	
53	VGU9108A10	BUTTON (0)	1	
54	VGU9108A11	PERIOD BUTTON	1	
55	VGU9108A12	BUTTON (-)	1	
56	VGU9108A13	BUTTON (+)	1	
57	VGU9108A14	SHIFT BUTTON	1	
58	VGU9108A15	RETURN BUTTON	1	
59	VMP7167	FAN COVER	1	
60	VRF0194	FAN MOTOR	1	L6FALEDH0001
61	VMX3211	FAN CUSHION	4	
62	VJF1007	EDGE SADDLE	1	
63	VMT1302	SHIELD GASKET A	1	
64	VMT1304	SHIELD GASKET C	2	
101	XTV26+6G	SCREW	4	
102	XTV3+8G	SCREW	19	
103	XTN26+6J	SCREW	19	
104	XYN3+K6	SCREW	4	
105	XTB3+12GFZ	SCREW	1	
106	XTV3+8GFR	SCREW	37	
107	XSB3+8FZ	SCREW	4	
108	XXE26D8FXK	SCREW	2	
109	XTN26+6GR	SCREW	7	
110	XTV3+6F	SCREW	8	
111	XTV3+6FFR	SCREW	4	
E8	VEP66449A	PANEL P.C.BOARD	1	
E9	VEP60678A	ROTARY ENC P.C.BOARD	1	
E10	VEP60681A	TIME ENC P.C.BOARD	1	
E11	VEP60682A	Z ENC P.C.BOARD	1	
E12	VEP60680A	COLOR-V P.C.BOARD	1	
E13	VEP60683A	PHONE V P.C.BOARD	1	
E14	VEP60684A	ASPECT V P.C.BOARD	1	
E15	VEP60685A	LCD INV P.C.BOARD	1	
E16	VEP60679A	TAKE-V P.C.BOARD	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-MX70 CHASSIS FRAME ASSEMBLY (1)


7
6
⚠
18
105
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9
8
37
19
10
38
21
9
102
10
1
10
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26
27
102
25
28
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30
108
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102
3
29
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101
104
24
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107
E12
61
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110
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61
61
103
4
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63
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40
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16
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102
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110
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111
111
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103
103
103
15
E13
E10
111
11
40
43
41
E9
42
106
106
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54
46
57
58
109
106
36
106
35
36
E8
102
40
106
102
106
36
106
106
106
106
102

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

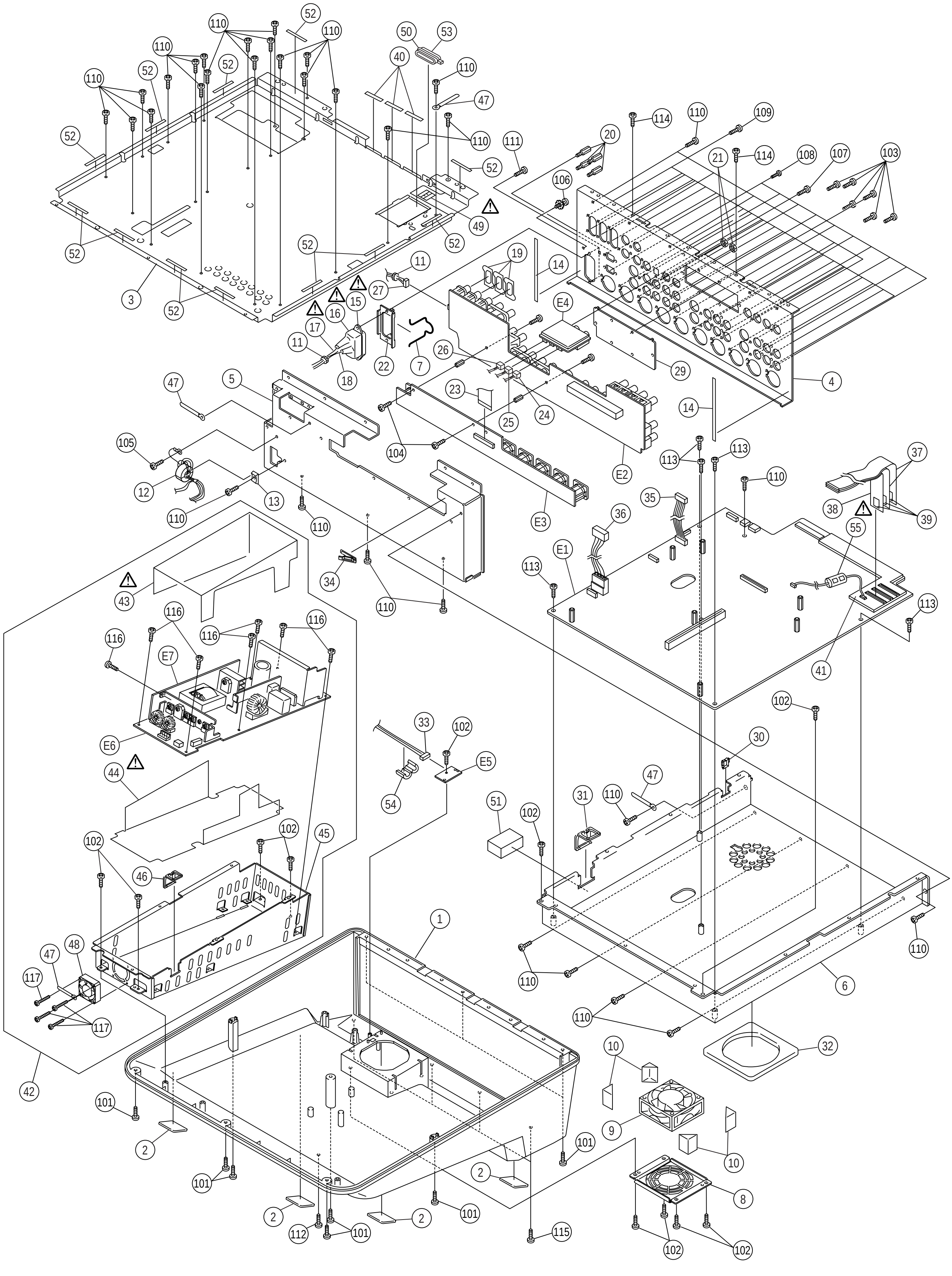
AG-MX70 CHASSIS FRAME ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGQ6678	BOTTOM CASE	1	
2	VKA0078	RUBBER STAND	4	
3	VSC5353	MAIN CASE COVER	1	
4	VMP7164	TERMINAL PLATE	1	
5	VSC5372	TERMINAL COVER	1	
6	VSC5352	MAIN CASE	1	
7	VML2903	AC CORD HOOK	1	
8	VMP7167	FAN COVER	1	
9	VRF0194	FAN MOTOR	1	L6FALEDH0001
10	VMX3211	FAN CUSHION	4	
11	VJF1158	CLAMPER	2	
12	J0KG00000081	FERRITE CORE	1	
13	VMX3210	FERRITE BOARD	1	
14	VMT0905	GASKET	2	
⚠ 15	SJVD06	AC INLET	1	K2AH3H000010
⚠ 16	VMZ1252	AC INLET COVER	1	
⚠ 17	VEE0S24	CABLE	1	
18	VEE8828	CABLE	1	
19	VSC5384	JACK SPACER	3	
20	VXQ0102	SCREW	4	K1YE50000008
21	XNS12FZ	HEX NUT	2	
22	VMP7168	AC IN ANGLE	1	
23	VWJ30F4110T1	FLAT CABLE	1	
24	VEE0U23	CABLE	1	
25	VEE0S21	CABLE	1	
26	VEE0U22	CABLE	1	
27	VEE0S20	CABLE	1	
29	VMP7162A	BLINDER PLATE	1	
30	VJF1007	EDGE SADDLE	1	
31	VJF1259	EDGE HOLDER	1	
32	VGF0924	RECTIFIER CUSHION	1	
33	VEE0V02	CABLE	1	
34	VJF1058	CABLE CLAMPER	1	
35	VEE0S12	CABLE	1	
36	VEE0S13	CABLE	1	
37	VWJ22F4250T1	FLAT CABLE	2	
38	VWJ22F4300T1	FLAT CABLE	1	
39	VMZ3310	FLEX INSULATION BARRIER	3	
40	VMT0906	GASKET	3	
41	VEE0W96	CABLE	1	
42	VEK9818	POWER ASS'Y	1	
⚠ 43	VMZ3251	POWER BARRIER TOP	1	
⚠ 44	VMZ3252	POWER BARRIER BOTTOM	1	
45	VSC5350	POWER CASE	1	
46	VJF1259	EDGE HOLDER	1	
47	VJF1443	CLAMPER	3	
48	VRF0227	FAN MOTOR	1	L6FAHHAH0008
⚠ 49	VGQ1712	ANP BASE	1	
50	VJF1084	BND	1	
51	VMT1303	SHIELD GASKET B	1	
52	VMT1305	SHIELD GASKET D	12	
53	VLF1520	FERRITE CORE	1	
54	SFC3	FERRITE CORE	1	
⚠ 55	J0KG00000032	FERRITE CORE	1	
101	XTV3+10G	SCREW	9	
102	XTV3+8G	SCREW	11	
103	XTB3+6FFZ	SCREW	6	
104	XYN3+K6	SCREW	2	
105	XYN4+E6VW	SCREW	1	
106	XYE4+EF8	SCREW	1	
107	XYN3+C6FZ	SCREW	1	
108	XSN26+6FZ	SCREW	10	
109	XTB3+8GFZ	SCREW	24	
110	XTV3+6F	SCREW	36	
111	XSB3+8FZ	SCREW	2	
112	XSB4+6FZS	SCREW	1	
113	XYN3+K6RS	SCREW	5	
114	XTV3+6GFZ	SCREW	2	
115	XTB3+8FFZ	SCREW	4	
116	XYN3+F8	SCREW	7	
117	XSN3+16FZ	SCREW	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E1	VEP66448B	MAIN P.C.BOARD	1	
E2	VEP60677A	I/O P.C.BOARD	1	
E3	VEP60676B	AUDIO I/O P.C.BOARD	1	
E4	VEP60733A	USB MIC PHONE P.C.BOARD	1	
E5	VEP60686B	FAN CONNECT P.C.BOARD	1	
E6	VEP61294A	POWER MAIN P.C.BOARD	1	
E7	VEP61295A	POWER SUB P.C.BOARD	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-MX70 CHASSIS FRAME ASSEMBLY (2)



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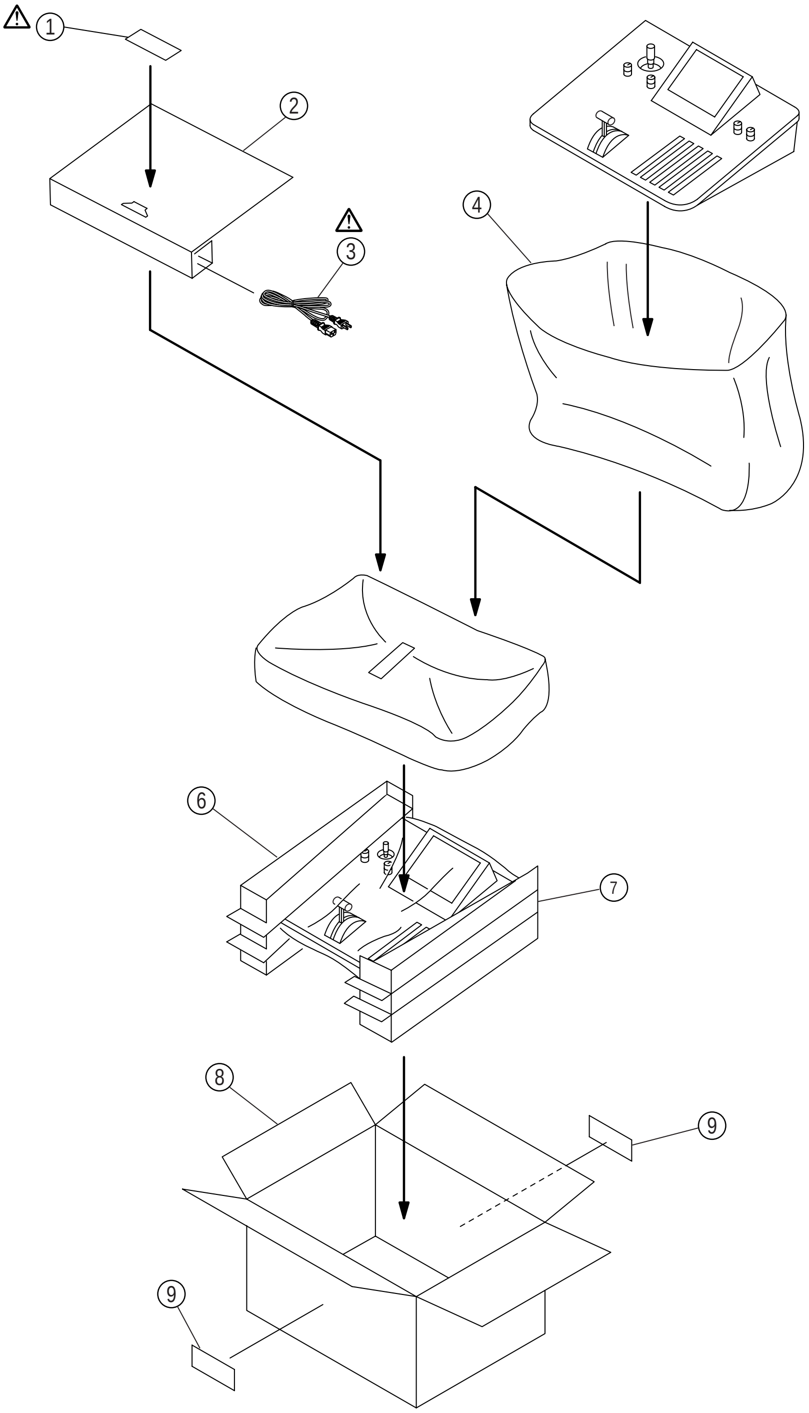
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-MX70 PACKING PARTS ASSEMBLY



Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-MX70 PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VQT9857	OPERATING INSTRUCTIONS	1	FOR AG-MX70E
⚠ 1	VQT9858	OPERATING INSTRUCTIONS	1	FOR AG-MX70MC
2	VPN5757	PAD	1	
⚠ 3	VJA0746	POWER CODE	1	FOR AG-MX70E
⚠ 3	VJA0738	POWER CODE	1	K2CT3DH00002 FOR AG-MX70E
⚠ 3	K2CK3DH00003	POWER CODE	1	K2CK3DH00003 FOR AG-MX70MC
4	VPF0671	CUSHION	1	
6	VPN5755	CUSHION (R)	1	
7	VPN5756	CUSHION (L)	1	
8	VPG0P91	PACKING CASE	1	
9	VQL0A23	PACKING LABEL	2	FOR AG-MX70E
9	VQL9821	PACKING LABEL	1	FOR AG-MX70MC

AG-MX70 ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP66448B	MAIN P.C.BOARD	1	(RTL)
■	VEP64184A	A MUTE P.C.BOARD	1	(RTL)FOR VEP66448B
■	VEP83612A	GAIN SW P.C.BOARD	1	(RTL)FOR VEP66448B
■ E2	VEP60677A	I/O P.C.BOARD	1	(RTL)
■ E3	VEP60676B	AUDIO I/O P.C.BOARD	1	(RTL)
■ E4	VEP60733A	USB MIC PHONE P.C.BOARD	1	(RTL)
■ E5	VEP60686B	FAN CONNECT P.C.BOARD	1	(RTL)
■ E6	VEP61294A-1	POWER MAIN P.C.BOARD	1	(RTL)
■ E7	VEP61295A	POWER SUB P.C.BOARD	1	(RTL)
■ E8	VEP66449A	PANEL P.C.BOARD	1	(RTL)
■ E9	VEP60678A-1	ROTALY ENCODER P.C.BOARD	1	(RTL)
■ E10	VEP60681A-1	TIME ENCODER P.C.BOARD	1	(RTL)
■ E11	VEP60682A-1	Z ENCODER P.C.BOARD	1	(RTL)
■ E12	VEP60680A	COLOR V P.C.BOARD	1	(RTL)
■ E13	VEP60683A	PHONE V P.C.BOARD	1	(RTL)
■ E14	VEP60684A	ASPECT V P.C.BOARD	1	(RTL)
■ E15	VEP60685A	LCD INV P.C.BOARD	1	(RTL)
■ E16	VEP60679A	TAKE V P.C.BOARD	1	(RTL)
■ E1	VEP66448B	MAIN P.C.BOARD	1	(RTL)
■	VEP64184A	A MUTE P.C.BOARD	1	(RTL)FOR VEP66448B
■	VEP83612A	GAIN SW P.C.BOARD	1	(RTL)FOR VEP66448B
C1	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1	EEVHB1C470P	E.CAPACITOR 16V 47U	1	FOR VEP64184A
C2	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C2	EEVHB1C470P	E.CAPACITOR 16V 47U	1	FOR VEP64184A
C3	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4-C7	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	4	F1H1H102A009
C9-12	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	4	F1H1H102A009
C14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C16	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C17,18	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C19-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C24	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C26	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C28	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C30,31	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C50-62	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C80	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C81	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C82-92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C93	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C94	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C96	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C97	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C110	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C111	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C112	EEUFC1V470	E.CAPACITOR 35V 47U	1	
C113-19	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	7	
C130-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C133-36	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C137-39	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C140,41	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C142,43	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C144,45	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C146	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C147	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C148,49	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C150	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C151	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C152-54	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C155-57	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C158-74	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	17	
C175,76	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C177,78	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C180	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C182-87	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	6	
C188	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C189,90	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C191	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C192,93	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C194	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C195,96	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C197	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C198,99	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C200	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C201,02	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C203	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C204,05	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C206	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C207,08	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C209	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C210-12	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C213	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C214-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C230	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C231	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C232,33	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	2	
C234	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C235-41	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	7	
C242,43	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C244,45	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C246	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C247	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C248	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C249-57	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	9	
C258	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C310	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C311-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C340-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C360	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C361,62	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C363	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C374	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C375	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C376	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C377	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C392	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C430-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C437	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C449	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C452	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C457	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C458	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C461	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C462	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C480,81	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C482,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C484,85	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C486-93	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C494-97	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C498-05	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C506-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C510-13	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	4	
C520,21	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C540-51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12	
C552	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C553	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C554	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C575	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C582	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C583-87	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	5	
C588	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C589-97	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C599,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C602-07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C608	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C645	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C652	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C653-57	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	5	
C658	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C659-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C664	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C665	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C666	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C667-69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C671,72	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C674-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C680	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C711	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C712	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C713-20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8	
C721	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C722	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C723	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C725,26	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C727	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C750,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C770	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C771	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C772-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8	
C780	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C781,82	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C783	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C784	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C785	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C786	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C810,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C830,31	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C832,33	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C834	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C835	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C836-39	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C840	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C841	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C842	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C843	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C844,45	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C848,49	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C852,53	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C854	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C856	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C858-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C862-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C866	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C868	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C870	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C871	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C873	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C875	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C876	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C877,78	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C880	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C881,82	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C883	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C884	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C885	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C886	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C887-95	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C896	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C897	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C898	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C899,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C930-33	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C934	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C935	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C936	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C937	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C938,39	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C942,43	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C946,47	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C948	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C950	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C952-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C956-59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C960	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C962	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C964	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C969	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C971,72	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C974	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C975,76	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C977	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C978	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C979	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C980	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C981-89	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C990	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C991	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C992	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C993,94	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1050	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1051-53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	3	
C1054	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1055	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1056	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1057	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C1058	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C1059	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C1060	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1061	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C1062	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1063	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1064,65	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C1066	ECJ1XC1H200J	C.CAPACITOR CH 50V 20P	1	
C1067	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C1068,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1070	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1071	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1073	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1075	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C1076	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1079,80	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1081	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1082,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1084	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C1086	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1087-90	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1092	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1093	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1096	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C1097	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1110,11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1113-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C1160-74	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1175	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1176-87	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12	
C1270,71	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1272,73	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1274	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1275,76	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1277-79	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1280,81	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1282-96	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	
C1310-12	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1330	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1331-38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8	
C1370-73	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1390-94	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C1395	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C1396	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1397	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1398-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	12	
C1490	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1493	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1494	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1495	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1496	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C1498	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1499,00	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1503	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1504	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1505	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C1506	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1509	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1520	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1522	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1524,25	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1526	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1527	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1532-34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1536-38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1562	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1563-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1566	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1568	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1569	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1570	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1571,72	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1573	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1574	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1580,81	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1582,83	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1584,85	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1586-01	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	16	
C1602-15	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	14	
C1616	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1617	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1618	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1619	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1620	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1621	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1640,41	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1642,43	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1644,45	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1646-53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	8	
C1658-61	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C1700,01	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1702,03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1704	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C1705	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1706	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C1707-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1710,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1712,13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1714,15	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1716,17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1718	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1719	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1724-27	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1728	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1729-36	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C1738,39	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1741,42	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1743	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1744	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1745	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1747,48	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1749,50	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1800	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1801	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1802	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C1803	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1804-15	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	12	
C1816	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1817	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C1818	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1820-27	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	8	
C1829,30	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1831	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1832	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1834,35	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1836,37	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1838	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1839	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C1841	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1843	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1845	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1847	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1848,49	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1871	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1873	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1876,77	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1878	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	1	
C1879	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1880	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1881	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1882	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1883	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1884-87	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1888,89	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1890,91	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1892,93	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1894	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1895	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1896-98	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C1899,00	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1901	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1903	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1904	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1920	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1921	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1922	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1925	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1926	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1927	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1928	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1929	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1930	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1931	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1932,33	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1934,35	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C1951-54	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	4	
C1955	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C1956	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C1957-60	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C1965-68	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1969-72	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	4	
C1973-76	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C1981,82	EEFCD1B220R	E.CAPACITOR 12.5V 22U	2	
C1983,84	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1985,86	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	2	
C1987	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C1988,89	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1990,91	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2000	EEUEB1H100S	E.CAPACITOR 50V 10U	1	
C2030,31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2032	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C2033	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2034	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C2035	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C2036	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C2037	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2038,39	EEVHB1E101P	E.CAPACITOR 25V 100U	2	
C2040	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2041,42	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2043	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2044,45	EEVHB1E101P	E.CAPACITOR 25V 100U	2	
C2046,47	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C2048,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C2050-53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	4	
D1	MA147	DIODE	1	FOR VEP64184A
D2,D3	MA142WK	DIODE	2	FOR VEP64184A
D4,D5	MA142WA	DIODE	2	FOR VEP64184A
D6-D9	MA147	DIODE	4	FOR VEP64184A
D110	MA720	DIODE	1	
D130,31	MA3J70000L	DIODE	2	
D362,63	MA152A	DIODE	2	
D1050	M1MA151K	DIODE	1	
D1490	M1MA151K	DIODE	1	
FL830,31	VLF1353	FILTER	2	
FL930,31	VLF1353	FILTER	2	
FL1800-02	VLF1452	FILTER	3	
FL1950-53	VLF1452	FILTER	4	
IC1	C0JBAA000014	IC	1	
IC2	C0JBAB000200	IC	1	
IC3	C0JBAZ000608	IC	1	
IC4	MN13821-R	IC	1	
IC5	C2CBYH000002	IC	1	
IC6	C0JBAZ000854	IC	1	
IC7	TVHC27FT	IC	1	
IC9	TC7S04FU	IC	1	
IC50	C0JBAA000146	VHC	1	
IC51	TC74VHC32F	IC	1	C0JBAE000081
IC52,53	TVHC175FT	IC	2	
IC54	C0JBAA000117	VHC	1	
IC55	C0JBAN000098	VHC	1	
IC56	C3BBHG000066	IC	1	
IC57	C0JBAN000098	VHC	1	
IC58,59	C0JBAF000223	VHC	2	
IC60	C0JBAF000184	VHC	1	
IC61	C3BBHG000066	IC	1	
IC62	C3GBFC000001	IC	1	
IC80,81	C0JBAN000108	IC	2	
IC82	C0JBAA000102	IC	1	
IC83	C0JBAZ000852	IC	1	
IC84,85	C0JBAZ000531	IC	2	
IC86	C0JBAZ000852	IC	1	
IC87	IDT71V321L5F	IC	1	C3HBCC000023
IC88	C1DB00000761	IC	1	
IC110	C0DBCMD00002	IC	1	
IC111	C0ZBZ0000558	IC	1	
IC130	C0JBAZ000606	IC	1	
IC131	SN75C1168NS	IC	1	
IC132	UPA2003GR	IC	1	B1HBGGF00001
IC133,34	C0JBAZ000531	IC	2	
IC135	UPA2003GR	IC	1	B1HBGGF00001
IC136	UPD4722GS	IC	1	C1ZBZ0000622
IC137	AN79L07M	IC	1	
IC138	AN78L07M	IC	1	
IC139	C0CBADD00003	IC	1	
IC140	TC4052BF	IC	1	
IC230	C0JBAB000200	IC	1	
IC231	C1ZBZ0002046	IC	1	
IC232	TVHC175FT	IC	1	
IC233	C2DBYJ000001	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC310,11	C0JBAN000108	IC	2	
IC312	C0JBAA000146	VHC	1	
IC313	C3BBHG000048	IC	1	
IC314	C0JBAA000146	VHC	1	
IC315	C3BBHG000048	IC	1	
IC430	C0JBAE000135	IC	1	
IC431	C0JBAZ000852	IC	1	
IC432	C0JBAF000315	IC	1	
IC433	TLCX245FT	IC	1	
IC480	XC62FP5002M	IC	1	
IC481	C0CBBDB00004	IC	1	
IC543-45	TC74HC4052AF	IC	3	
IC549-51	TC74HC4052AF	IC	3	
IC552	C0CBBDB00004	IC	1	
IC570	LT1086CM33	IC	1	
IC571	C1AB00001668	IC	1	
IC572	C0JBAR000168	IC	1	
IC573	TC4W53FU	IC	1	
IC574	TC7S04FU	IC	1	
IC575	C0JBAR000168	IC	1	
IC578,79	C0JBAZ000851	IC	2	
IC640	LT1086CM33	IC	1	
IC641	C1AB00001668	IC	1	
IC642	TC7S04FU	IC	1	
IC643	C0JBAR000168	IC	1	
IC646,47	C0JBAZ000851	IC	2	
IC648	C0JBAR000168	IC	1	
IC649	TC4W53FU	IC	1	
IC710	C0JBAA000102	IC	1	
IC711	C1ZBZ0002057	IC	1	
IC712	LM1881MX	IC	1	C1AB00000179
IC728	C0JBAA000102	IC	1	
IC750,51	C3ABQG000045	IC	2	
IC770	C1ZBZ0002057	IC	1	
IC771	LM1881MX	IC	1	C1AB00000179
IC772	C0JBAA000102	IC	1	
IC810,11	C3ABQG000045	IC	2	
IC830	XC62FP5002M	IC	1	
IC831	C0CBAHA00002	IC	1	
IC832,33	C0ABFB000012	IC	2	
IC836,37	TC4W53FU	IC	2	
IC844	LT1086CM33	IC	1	
IC848,49	C0FBAF000042	IC	2	
IC850	C0JBAR000168	IC	1	
IC852	C0JBAR000168	IC	1	
IC854	NJU7064V	IC	1	
IC930,31	C0ABFB000012	IC	2	
IC934,35	TC4W53FU	IC	2	
IC946,47	C0FBAF000042	IC	2	
IC948	C0JBAR000168	IC	1	
IC950	C0JBAR000168	IC	1	
IC952	NJU7064V	IC	1	
IC1050	XC62FP5002M	IC	1	
IC1051	NJM2246M	IC	1	C1AB00000413
IC1052	LM1881MX	IC	1	C1AB00000179
IC1054	C0FBAF000042	IC	1	
IC1055	C0JBAA000102	IC	1	
IC1110	C0EBE0000236	IC	1	
IC1160	C1ZBZ0002143	IC	1	
IC1270,71	LT1086CM	IC	2	C0CBAYG00001
IC1310	C3ABQG000045	IC	1	
IC1311	C3HBCC000008	IC	1	
IC1312	C0JBAZ000852	IC	1	
IC1330	C1ZBZ0002057	IC	1	
IC1370-73	C3ABQG000045	IC	4	
IC1393	C1ZBZ0002057	IC	1	
IC1396	C0JBAZ000855	IC	1	
IC1397-00	TLCX245FT	IC	4	
IC1401	C0ZBZ0000363	IC	1	
IC1490	XC62FP5002M	IC	1	
IC1493	TC4W53FU	IC	1	
IC1494	C0JBAB000220	IC	1	
IC1522,23	ADV7123KST50	IC	2	C0FBBF000020
IC1561	ADV7123KST50	IC	1	C0FBBF000020
IC1562	LM2940S-5.0	IC	1	C0CBADG00007

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1580	C0CBADD00003	IC	1	
IC1581	C0CBBDB00004	IC	1	
IC1582,83	C1AB00001609	IC	2	
IC1584	C0ABBB000158	IC	1	
IC1586	C0ABBB000158	IC	1	
IC1587,88	C0CBBDB00004	IC	2	
IC1640	C0CBADD00003	IC	1	
IC1641	C0CBBDB00004	IC	1	
IC1642	C0ABBB000081	IC	1	
IC1646	C0ABBB000081	IC	1	
IC1650,51	TC74HC4052AF	IC	2	
IC1700,01	C0CBAHA00002	IC	2	
IC1702	C0ABBB000081	IC	1	
IC1706-09	C0ABBA000053	IC	4	
IC1710	XC62FP5002M	IC	1	
IC1711,12	C0FBAJ000004	IC	2	
IC1713,14	TC4W53FU	IC	2	
IC1800	XC62FP5002M	IC	1	
IC1801	C0ABBA000053	IC	1	
IC1802	C0ABBB000081	IC	1	
IC1807,08	C0FBAJ000004	IC	2	
IC1871	C0JBAA000102	IC	1	
IC1872	C0JBAF000223	VHC	1	
IC1874	C0JBAA000102	IC	1	
IC1876	C2HBZL000001	IC	1	
IC1877	C0JBAZ000852	IC	1	
IC1878	C0JBAA000102	IC	1	
IC1880	TC7S04FU	IC	1	
IC1920	C0CBADD00003	IC	1	
IC1922	C0FBBK000021	IC	1	
IC1923	C0FBBD000134	IC	1	
IC1950	C0CBBDB00004	IC	1	
IC1951	C0ABBB000081	IC	1	
IC1952	NJM79L09UA	IC	1	C0CABBF00001
IC1953	NJM78L09UA	IC	1	C0CBAHC00002
IC1955	C0ABBA000053	IC	1	
IC1956	NJM4556AM	IC	1	C0ABBB000042
IC1958	NJM4556AM	IC	1	C0ABBB000042
IC1959	C0ABBA000053	IC	1	
IC2030	NJM4556AM	IC	1	C0ABBB000042
IC2031	C0ABBB000184	IC	1	
IC2034	NJM4556AM	IC	1	C0ABBB000042
IC2038	C0JBAM000045	IC	1	
IC2039	C0ABCA000038	IC	1	
ID1	VVVSI3893B	SOFTWARE	1	
ID2	VVVSI3894B	SOFTWARE	1	
ID1110	VVVSI3865A	SOFTWARE	1	
IP340	VSI3832A	IC	1	
IP341	VSI3834	IC	1	
IP342	VSI3833	IC	1	
IP1112-16	C1ZBZ0001555	IC	5	
J360-64	VJR1095	LUG TERMINAL	5	
J410-13	VJR1095	LUG TERMINAL	4	
J430,31	VJR1095	LUG TERMINAL	2	
L80	VLF1315A102	FILTER	1	J0JHC0000015
L110	VLQ0651L470	COIL 47UH	1	G1C470Z00003
L130	J0JAD0000004	FILTER	1	
L131,32	VLF1315A102	FILTER	2	J0JHC0000015
L133	VLP0399	COIL	1	
L134	VLF1315A102	FILTER	1	J0JHC0000015
L135	J0JJC0000006	FILTER	1	
L136	VLP0146	COIL	1	
L137-40	J0JAD0000004	FILTER	4	
L360,61	J0JJC0000006	FILTER	2	
L362	VLF1315A102	FILTER	1	J0JHC0000015
L363	VLP0364	CHIP INDUCTOR	1	
L364,65	VLF1315A102	FILTER	2	J0JHC0000015
L366,67	J0JAD0000004	FILTER	2	
L368,69	VLF1315A102	FILTER	2	J0JHC0000015
L370	J0JAD0000004	FILTER	1	
L371,72	VLF1315A102	FILTER	2	J0JHC0000015

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L373,74	J0JAD0000004	FILTER	2	
L375-80	VLF1315A102	FILTER	6	J0JHC0000015
L430-32	VLP0364	CHIP INDUCTOR	3	
L570	VLQ0319M2R2	COIL 2.2UH	1	
L640	VLQ0319M2R2	COIL 2.2UH	1	
L830-33	G1C101K00022	COIL 100UH	4	
L835-39	G1C101K00022	COIL 100UH	5	
L930-33	G1C101K00022	COIL 100UH	4	
L935-39	G1C101K00022	COIL 100UH	5	
L1050	VLQ0426J270	COIL 27UH	1	G1C270J00001
L1051	VLQ0426J6R8	COIL 6.8UH	1	G1C6R8J00006
L1052	G1C101K00022	COIL 100UH	1	
L1053	VLQ0426J5R6	COIL 5.6UH	1	G1C5R6J00005
L1054	VLQ0426J220	COIL 22UH	1	G1C220J00007
L1055,56	G1C101K00022	COIL 100UH	2	
L1490,91	G1C101K00022	COIL 100UH	2	
L1640-43	G1C101K00022	COIL 100UH	4	
L1700-06	G1C101K00022	COIL 100UH	7	
L1800-05	G1C101K00022	COIL 100UH	6	
L1870	NLC322522	COIL 1.0UH	1	G1C1R0MA0001
L1921	G1C101K00022	COIL 100UH	1	
L1950-54	G1C101K00022	COIL 100UH	5	
L2030-33	G1C101K00022	COIL 100UH	4	
P1	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055 FOR VEP64184A
P130-32	K1MN22A00039	CONNECTOR	3	
P133	K1KA03A00017	CONNECTOR (MALE)	1	
P360	VJP3454B096	CONNECTOR (MALE)	1	K1KA96B00021
P361	K1KA03A00017	CONNECTOR (MALE)	1	
P362	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
P363	VJP3926A012	CONNECTOR (MALE)	1	K1KA12A00121
P364	VJP3926B012	CONNECTOR (MALE)	1	K1KA12B00074
P365	VJS3423B030	CONNECTOR (FEMALE)	1	K1MN30B00027
P366	VJP2981A005	CONNECTOR (MALE)	1	K1KA05A00180
P410	K1KA04A00192	CONNECTOR (MALE)	1	
P411	K1KBC0A00043	CONNECTOR (FEMALE)	1	
P430	K1KAA0A00043	CONNECTOR (MALE)	1	
P431	K1KA05A00137	CONNECTOR (MALE)	1	
P1110	K1FA108A0003	CONNECTOR (MALE)	1	
P1111	K1KA04B00063	CONNECTOR (MALE)	1	
P1112	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
Q1	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
Q1	B1CFDC000001	TRANSISTOR	1	FOR VEP83612A
Q2	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
Q2	B1CFDC000001	TRANSISTOR	1	FOR VEP83612A
Q3	2SB1218A-R	TRANSISTOR	1	FOR VEP64184A
Q4-11	2SD1328	TRANSISTOR	8	FOR VEP64184A
Q360	2SD601A-R	TRANSISTOR	1	
Q480-88	XP6401	TRANSISTOR-RESISTOR	9	
Q490	XP6401	TRANSISTOR-RESISTOR	1	
Q540	2SD1819A-R	TRANSISTOR	1	
Q541,42	XP0550100L	TRANSISTOR	2	
Q543	2SD1819A-R	TRANSISTOR	1	
Q544,45	XP0550100L	TRANSISTOR	2	
Q570	2SK198-R	TRANSISTOR	1	2SK01980R
Q660	2SK198-R	TRANSISTOR	1	2SK01980R
Q830,31	2SD1819A-R	TRANSISTOR	2	
Q832,33	2SC3130	TRANSISTOR	2	
Q836-41	2SD1819A-R	TRANSISTOR	6	
Q930,31	2SD1819A-R	TRANSISTOR	2	
Q932,33	2SC3130	TRANSISTOR	2	
Q936-41	2SD1819A-R	TRANSISTOR	6	
Q1050	2SB1218A0L	TRANSISTOR	1	
Q1051,52	2SD1819A-R	TRANSISTOR	2	
Q1580-82	2SD1819A-R	TRANSISTOR	3	
Q1583	2SK198-R	TRANSISTOR	1	2SK01980R
Q1584	2SD1819A-R	TRANSISTOR	1	
Q1585,86	2SK198-R	TRANSISTOR	2	2SK01980R
Q1587,88	2SD1819A-R	TRANSISTOR	2	
Q1589	2SK198-R	TRANSISTOR	1	2SK01980R
Q1590	2SD1819A-R	TRANSISTOR	1	
Q1591	2SK198-R	TRANSISTOR	1	2SK01980R
Q1592	2SD1819A-R	TRANSISTOR	1	
Q1700,01	2SD1819A-R	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1800	2SD1819A-R	TRANSISTOR	1	
Q1950-53	2SD1328	TRANSISTOR	4	
QR1	UNR521300L	TRANSISTOR	1	FOR VEP64184A
QR130,31	UNR221300L	TRANSISTOR	2	
QR1870	UNR511F00L	TRANSISTOR	1	
R1	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP64184A
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP83612A
R2	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP64184A
R2	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83612A
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP64184A
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83612A
R4	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP64184A
R4	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	FOR VEP83612A
R5	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP64184A
R5	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP83612A
R6	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP64184A
R6	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83612A
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R7	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP64184A
R8	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R9	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R9,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	FOR VEP64184A
R10	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R14	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R15	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP64184A
R16	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R17	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R19-28	EXBV8V103J	COMBI.R-R 10K	10	
R29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R30,31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R32	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R34	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R36	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R50,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R54	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60,61	EXBV8V331J	COMBI.R-R 330	2	
R62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R63	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R64-66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R67,68	EXBV8V331J	COMBI.R-R 330	2	
R69,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R81	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R82,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R84-87	EXBV8V103J	COMBI.R-R 10K	4	
R88	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R89-91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R92	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R93	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R94	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1	
R95	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R96	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1	
R97	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R98	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R130,31	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R132,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R134	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R135	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R136-39	EXBV8V103J	COMBI.R-R 10K	4	
R140,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R142-45	EXBV8V331J	COMBI.R-R 330	4	
R146	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R147	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R149	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R150	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R151-53	EXBV8V331J	COMBI.R-R 330	3	
R154	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R155	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R156	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R157	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R230	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R231	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R232	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R233	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R235,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R237-41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
R242	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R245	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R246,47	EXBV8V331J	COMBI.R-R 330	2	
R248	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R249	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R252	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R254	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R255	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R257	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R258	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R259	EXBV8V103J	COMBI.R-R 10K	1	
R260	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R262	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R263,64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R265,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R268-81	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	14	
R282-95	EXBV8V103J	COMBI.R-R 10K	14	
R296	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R310,11	EXBV8V101J	COMBI.R-R 100	2	
R312,13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R314-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R340,41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R361	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R374	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R375	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R376	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R379	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R430,31	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R432,33	EXBV8V103J	COMBI.R-R 10K	2	
R434-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R440-53	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	14	
R454-57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R458	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R480,81	EXBV8V104J	COMBI.R-R 100K	2	
R482,83	EXBV8V222J	COMBI.R-R 2.2K	2	
R484,85	EXBV8V104J	COMBI.R-R 100K	2	
R486,87	EXBV8V222J	COMBI.R-R 2.2K	2	
R488	EXBV8V104J	COMBI.R-R 100K	1	
R494	EXBV8V222J	COMBI.R-R 2.2K	1	
R540-49	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	10	
R550	EXBV8V470J	COMBI.R-R 47	1	
R570-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R600	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R601	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R611	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R612	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R613-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619,20	EXBV8V470J	COMBI.R-R 47	2	
R624,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R640-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R667	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R671	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R681	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R682	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R683,84	EXBV8V470J	COMBI.R-R 47	2	
R685	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R690,91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R696	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R710,11	EXBV8V470J	COMBI.R-R 47	2	
R712	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R713-22	EXBV8V470J	COMBI.R-R 47	10	
R723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R724	EXBV8V470J	COMBI.R-R 47	1	
R725-28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R729-33	EXBV8V470J	COMBI.R-R 47	5	
R734,35	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R736	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R737	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R738	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R770,71	EXBV8V470J	COMBI.R-R 47	2	
R772	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R773-82	EXBV8V470J	COMBI.R-R 47	10	
R783	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R784	EXBV8V470J	COMBI.R-R 47	1	
R785-88	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R789-91	EXBV8V470J	COMBI.R-R 47	3	
R792,93	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R794,95	EXBV8V470J	COMBI.R-R 47	2	
R796	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R797	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R798	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R799	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R830	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R831	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R833	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R834,35	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R836,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R838,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R840	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R841	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R842	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R843	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R846,47	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R852	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R853	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R856	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R857	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R864	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R865	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R866,67	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R868,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R870,71	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R872,73	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R874,75	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R877,78	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R879	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R880	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R882	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R883	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R884	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R885	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R886,87	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R888,89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R890,91	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R892	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R893	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R894	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R895	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R896,97	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R898	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R899	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R900	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R901	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R905	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R906	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R907,08	ERJ3RED510	M.RESISTOR CH 1/16W 51	2	
R910-12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R915	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R916,17	EXBV8V470J	COMBI.R-R 47	2	
R918-20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R930	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R931	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R932	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R933	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R934,35	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R936,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R938,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R940	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R941	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R942	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R943	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R946,47	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R952	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R953	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R957	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R958	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R959	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R960,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R964,65	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R966,67	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R968,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R970,71	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R972,73	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R974,75	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R977,78	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R979	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R980	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R982	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R983	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R984	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R985	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R986,87	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R988,89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R990,91	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R992	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R993	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R994	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R995	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R996	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R997	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R998	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R999	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R1000	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R1001	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R1005	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1006	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1007,08	ERJ3RED510	M.RESISTOR CH 1/16W 51	2	
R1010-12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1016,17	EXBV8V470J	COMBI.R-R 47	2	
R1050-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1053	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R1054-56	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	3	
R1057	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1058	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R1059,60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1061	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1062	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1063	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1064,65	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R1066	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R1067	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1068,69	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R1070	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R1071	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R1072	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R1073	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1077	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R1078,79	EXBV8V470J	COMBI.R-R 47	2	
R1080	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1111	D1H810240001	COMBI.R-R 1K	1	
R1112-15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1116-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1119,20	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1121	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1160,61	EXBV8V470J	COMBI.R-R 47	2	
R1162	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1163	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1166-70	EXBV8V470J	COMBI.R-R 47	5	
R1173	EXBV8V470J	COMBI.R-R 47	1	
R1176	EXBV8V470J	COMBI.R-R 47	1	
R1179,80	EXBV8V470J	COMBI.R-R 47	2	
R1186	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1188	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1198-03	EXBV8V470J	COMBI.R-R 47	6	
R1204	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1205-10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	6	
R1211-18	EXBV8V470J	COMBI.R-R 47	8	
R1220,21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1222-25	EXBV8V470J	COMBI.R-R 47	4	
R1226-28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R1229-36	EXBV8V470J	COMBI.R-R 47	8	
R1237	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1238-51	EXBV8V470J	COMBI.R-R 47	14	
R1270	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1271	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1272	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1273	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1274	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1276	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1277	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1278	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1311	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1312,13	EXBV8V470J	COMBI.R-R 47	2	
R1316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1330-43	EXBV8V470J	COMBI.R-R 47	14	
R1344	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1345,46	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1347-49	EXBV8V470J	COMBI.R-R 47	3	
R1350,51	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1352-54	EXBV8V470J	COMBI.R-R 47	3	
R1356	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1357	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1390-99	EXBV8V470J	COMBI.R-R 47	10	
R1401	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R1402,03	EXBV8V470J	COMBI.R-R 47	2	
R1404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1405	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1406	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1407	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1408,09	EXBV8V470J	COMBI.R-R 47	2	
R1410,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1412	EXBV8V470J	COMBI.R-R 47	1	
R1413	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1414	EXBV8V470J	COMBI.R-R 47	1	
R1415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1416	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R1417	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1418	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1419,20	EXBV8V470J	COMBI.R-R 47	2	
R1421-40	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	20	
R1441	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1442,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1444	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1445	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1446	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R1447	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1448	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R1449	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1451	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1455	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1457	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1459	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1462,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1465-72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R1473,74	EXBV8V470J	COMBI.R-R 47	2	
R1475,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R1478	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1483	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1492	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R1493	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1494	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1496	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1499,00	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	2	
R1503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1504	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1505	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1508	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1509	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R1522	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R1523	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1524	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1525	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R1526	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1527	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
R1530	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1531	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R1532	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1533	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
R1536,37	ERJ3RBD181	M.RESISTOR CH 1/16W 180	2	
R1538	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R1539	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
R1561	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R1562	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1563	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R1565	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1566	ERJ3RBD111	M.RESISTOR CH 1/16W 110	1	
R1580-82	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R1583-85	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R1586	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1587	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1588	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1589	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1591	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1593,94	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1595	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1597	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1598-11	ERJ6RED750	M.RESISTOR CH 1/10W 75	14	
R1612-25	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	14	
R1626	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1627	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1628	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1640-43	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	4	
R1648-55	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	8	
R1656-63	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	8	
R1664-67	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	4	
R1672-79	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	8	
R1680-87	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	8	
R1688,89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1700	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1701	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R1702	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1703	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R1704,05	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R1706-09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R1710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1711,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1713,14	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R1715	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1716	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1717	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1718	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1719	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1720,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1722,23	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R1724,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1727	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1728	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1730	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1731	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1732	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1733	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1734	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1735	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1736	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1737	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1738	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1739	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1740	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1741	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1742	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1743	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1744	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1745	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1746	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1747,48	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1749,50	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R1751	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R1752	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1753	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R1754	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1755	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1756	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R1757	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1758	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R1759	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1760	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R1761	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1762	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R1763	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R1764	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1765	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R1766	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1767	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1768	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1769	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1770	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1771	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1772	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1773	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1774	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1775	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1776	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1777	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1778	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1779	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1780	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1781	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1782	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1783,84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1785,86	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1800,01	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1802	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1803	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1804	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1805	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1806,07	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R1808	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1809	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R1810	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1811	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1812	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1813	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R1814	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1815	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1816	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R1817	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1818	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1819	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1820	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1822	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1823	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1824	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1825	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1826,27	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R1828,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1830	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R1832	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1835	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R1840	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1851,52	ERJ3RBD131	M.RESISTOR CH 1/16W 130	2	
R1853-56	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R1870	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1871	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	D0AE473JA045
R1874	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1876	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1877	EXBV8V470J	COMBI.R-R 47	1	
R1878	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1879	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1880,81	EXBV8V470J	COMBI.R-R 47	2	
R1882	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1883	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1950-53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R1954-57	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R1958-61	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R1974	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R1975	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1976	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1977	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1978,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1980	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1981	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1982,83	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R1984	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1985	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1986	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1987	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1988	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R1989	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1990	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1991,92	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R1993,94	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R1995,96	ERJ3RBD361	M.RESISTOR CH 1/16W 360	2	
R1997,98	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	2	
R1999,00	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	2	
R2001,02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R2003	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R2005	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R2007	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R2009	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R2011-14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R2015	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R2016	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R2017	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2018	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2019	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2021	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2022	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2023	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R2024	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R2025	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R2026	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2027,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2029	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R2031	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2033	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2036	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2038	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2039,40	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R2042,43	ERJ6RED470	M.RESISTOR CH 1/10W 47	2	
R2044,45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2051	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2053	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2056	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2058	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R2059,60	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R2062,63	ERJ6RED470	M.RESISTOR CH 1/10W 47	2	
R2064,65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2070,71	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R2072,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2074,75	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R2080	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2081	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2083	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2084-88	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	5	
R2089-92	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	4	
R2093-96	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2097-99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R2100,01	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	2	
TG1	EYF6CU	TEST POINT	1	
TG4	EYF6CU	TEST POINT	1	
TG110	EYF6CU	TEST POINT	1	
TG137	EYF6CU	TEST POINT	1	
TG311	EYF6CU	TEST POINT	1	
TG360	EYF6CU	TEST POINT	1	
TG480	EYF6CU	TEST POINT	1	
TG1580	EYF6CU	TEST POINT	1	
TG1640	EYF6CU	TEST POINT	1	
⚠ TH110	K0ZZ00000231	SWITCH	1	
TP52	EYF6CU	TEST POINT	1	
TP134-36	EYF6CU	TEST POINT	3	
TP230	EYF6CU	TEST POINT	1	
TP570	EYF6CU	TEST POINT	1	
TP582	EYF6CU	TEST POINT	1	
TP647	EYF6CU	TEST POINT	1	
TP770	EYF6CU	TEST POINT	1	
TP1177	EYF6CU	TEST POINT	1	
TP1393	EYF6CU	TEST POINT	1	
TP1490	EYF6CU	TEST POINT	1	
TP1871,72	EYF6CU	TEST POINT	2	
VR130,31	EVM7JGA00B52	V.RESISTOR 500	2	
VR1490	EVM7JGA00B53	V.RESISTOR 5K	1	
VR1520-25	EVM7JGA00B22	V.RESISTOR 200	6	
VR1560,61	EVM7JGA00B22	V.RESISTOR 200	2	
X80	H0J600400012	CRYSTAL OSCILLATOR	1	
X230	H0J368500014	CRYSTAL OSCILLATOR	1	
X640	H0J245500014	CRYSTAL OSCILLATOR	1	
X1490	H1C2705B0012	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VMS4924	POST	5	
	VMX2998	SPACER	2	
	XYN3+K6	SCREW	7	
	VEE0W06	A MUTE CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E2	VEP60677A	I/O P.C.BOARD	1	(RTL)
J1,J2	K1QBB2AA0005	CONNECTOR	2	
J3	K1QBB3AA0003	CONNECTOR	1	
J4	K4BA04A00002	TERMINAL	1	
J5	K1QBB3AA0003	CONNECTOR	1	
J6	K4BA04A00002	TERMINAL	1	
J7	K1QBB3AA0003	CONNECTOR	1	
J8	K4BA04A00002	TERMINAL	1	
J9	K1QBB3AA0003	CONNECTOR	1	
J10	K4BA04A00002	TERMINAL	1	
J11,12	K1QBB2AA0005	CONNECTOR	2	
J13	K4BA04A00002	TERMINAL	1	
J14,15	K1QBB2AA0005	CONNECTOR	2	
J16	K4BA04A00002	TERMINAL	1	
J17	K1QBB2AA0004	MKR(P2430)	1	
J18	K1QBB3AA0003	CONNECTOR	1	
J19-21	YWT6819AABB	CONNECTOR	3	
L4-13	VLF1315A102	FILTER	10	J0JHC0000015
P1	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P2	VJP3926B012	CONNECTOR (MALE)	1	K1KA12B00074
P5,P6	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
R1-25	ERJ6RED750	M.RESISTOR CH 1/10W 75	25	
SW1	K0D142A00023	SWITCH	1	
		MISCELLANEOUS		
	VMX2020	P.C.BOARD POST	2	K9ZZ00000689
	VMP5301	D SUB HOLDER ANGLE	2	
	VSC5248	EARTH ANGLE	6	
	XYN3+K6	SCREW	2	
■ E3	VEP60676B	AUDIO I/O P.C.BOARD	1	(RTL)
C1001-10	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	10	
C1035-50	ECA1HHG330	E.CAPACITOR 50V 33U	16	
J1001,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J1003-10	K1AB103A0007	CONNECTOR (MALE)	8	
L1001-20	VLF1315A102	FILTER	20	J0JHC0000015
P1001	VJS2582B030	CONNECTOR (FEMALE)	1	
R1003,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1008,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1011	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1013	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1015	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1019	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1021	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1025	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1027	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1033	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1035	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1037	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1039	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1045	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1047	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1053	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1055	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1057	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
■ E4	VEP60733A	USB MIC PHONE P.C.BOARD	1	(RTL)
C1	EEUFC1H220	E.CAPACITOR 50V 22P	1	
C2,C3	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C6,C7	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
IC1	NJM4565MD	IC	1	C0ABBB000120
J1	K2HB103B0023	JACK	1	
J2	K2HB103B0024	JACK	1	
J3	K1FA104B0015	CONNECTOR (MALE)	1	
P1	K1KA04B00063	CONNECTOR (MALE)	1	
P2	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P3	VJP2981A005	CONNECTOR (MALE)	1	K1KA05A00180
R2	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R4	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R5,R6	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R7	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R8	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R9-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
		MISCELLANEOUS		
	VSC5373	JACK COVER BOTTOM	1	
	VSC5375	H/P COVER	2	
	VMZ3309	H/P INSULATION BARRIER	1	
■ E5	VEP60686B	FAN CONNECT P.C.BOARD	1	(RTL)
P1101	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P1102	K1KA03A00017	CONNECTOR (MALE)	1	
■ E6	VEP61294A	POWER MAIN P.C.BOARD	1	(RTL)
⚠ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1002,03	VCK0262M102A	C.CAPACITOR 1000P	2	F1BAH1020001
⚠ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1006	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
C1007	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1008	EEUEB1H221B	E.CAPACITOR 50V 220U	1	
C1009	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1010	VCK0106K101	C.CAPACITOR 100P	1	
C1012	ECEC2WB181CB	E.CAPACITOR 450V 180U	1	
C1013	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
⚠ C1014,15	F1BAH101A001	C.CAPACITOR 100P	2	
C1101	VCK0106K101	C.CAPACITOR 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1102	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1103	ECQE6473KF	C.CAPACITOR 1000P	1	
C1104	EEUEB1H470B	E.CAPACITOR 50V 47U	1	
⚠ C1105	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1106-08	ECQE6473KF	C.CAPACITOR 1000P	3	
C1109	VCK0106K471	C.CAPACITOR 470P	1	
C1110-12	ECQE6473KF	C.CAPACITOR 1000P	3	
C1113	VCK0106K471	C.CAPACITOR 470P	1	
C1114,15	EEUFC1H121L	E.CAPACITOR 50V 120U	2	
C1116	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1117,18	EEUFC1C681	E.CAPACITOR 16V 680U	2	
C1120,21	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	2	
C1122	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1123,24	ECA1EHG101	E.CAPACITOR 25V 100U	2	
C1125	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1126	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C1127	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1129-31	ECA1CHG101	E.CAPACITOR 16V 100U	3	
C1132-35	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	4	
C1136-38	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1139	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C1140,41	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	2	
C1201	ECA1CHG101	E.CAPACITOR 16V 100U	1	
C1204	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1206	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1207	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
D1001	RBV606	DIODE	1	
D1002-04	SFPL-52	DIODE	3	
D1005	FML-G26S	DIODE	1	
D1006,07	MA3200-M	DIODE	2	
D1101	MA3270-M	DIODE	1	
D1102	AP01C	DIODE	1	B0HADV000010
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
⚠ D1105	RC3B2	DIODE	1	
D1106	SFPL-52	DIODE	1	
D1110	SFPL-52	DIODE	1	
D1111-13	SFPB-64V	DIODE	3	B0JCME000027
D1114	SFPL-52	DIODE	1	
D1115	B0HCMM000011	DIODE	1	
D1116	FMLG22S	DIODE	1	
D1117	B0HCMM000011	DIODE	1	
D1118,19	FMB-24H	DIODE	2	
D1120	MA152K	DIODE	1	
D1203	MA152WA	DIODE	1	
D1204	MA152WK	DIODE	1	
D1205	MA152WA	DIODE	1	
D1206,07	MA3075-M	DIODE	2	
D1208	MAZ30910ML	DIODE	1	
D1209	MA3160-M	DIODE	1	
D1210,11	MA152WK	DIODE	2	
D1212	MA152WA	DIODE	1	
D1213	MA3160-M	DIODE	1	
D1214-16	MA152K	DIODE	3	
D1221,22	MA3270-M	DIODE	2	
⚠ F1001	VSF0106C25H	FUSE	1	
⚠ F1002	VSF0246	FUSE	1	
FH1001,02	EYF52BC	FUSE HOLDER	2	
IC1101	UPC2412AHF	IC	1	C0CAAKG00005
IC1102	AN79N12	IC	1	
IC1103	C0DAEZH00003	IC	1	
IC1201	UPC1093J	IC	1	C0DAEMC00002
JP1001-03	VJR1008	EARTH LUG	3	
JP1101-03	VJR1008	EARTH LUG	3	
⚠ L1001,02	ELF21N015A	FILTER	2	
L1003	G0A102K00002	COIL 1000UH	1	
L1008,09	VLP0336	FERRITE CORE	2	
L1101,02	VLP0083	COIL	2	J0JKB0000011
L1108	VLQ0655K220	COIL 22UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1111,12	G0A100J00003	COIL 10UH	2	
L1113,14	G0A600L00004	COIL 60UH	2	
L1115	VLQ0826K151	COIL 150UH	1	
L1116	VLQ0826K331	COIL 330UH	1	
L1201	VLQ0319K100	COIL 10UH	1	G1C100K00023
L1202	G0A100J00003	COIL 10UH	1	
P1001	VJP3878	CONNECTOR (MALE)	1	K1KA02B00137
P1002	VJP3042G012W	CONNECTOR (MALE) 12P	1	K1KA12A00136
P1101	VJP3042G010W	CONNECTOR (MALE)	1	K1KA10A00204
P1103	VJP3926A012	CONNECTOR (MALE)	1	K1KA12A00121
P1104	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
P1105	VJP3042G010W	CONNECTOR (MALE)	1	K1KA10A00204
P1106	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
Q1001	TM1661S-L	DIODE	1	
Q1002	B1DEGR000013	TRANSISTOR	1	
Q1101	B1DEFV000001	TRANSISTOR	1	
Q1102	2SD601A-R	TRANSISTOR	1	
Q1202,03	XN0440100L	TRANSISTOR	2	
Q1204	XN4501	TRANSISTOR-RESISTOR	1	
Q1205	2SD601A-R	TRANSISTOR	1	
QR1101	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2113	TRANSISTOR-RESISTOR	1	
⚠ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
R1003,04	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1005	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1006-09	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1010	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1011	ERG2SJ121	M.RESISTOR 2W 120	1	
R1012	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1013	ERG2SJ121	M.RESISTOR 2W 120	1	
R1014	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1015	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1016	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1017	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1018	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1019	ERG2SJ220	M.RESISTOR 2W 22	1	
R1020	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1021	ERDS2FJ472	C.RESISTOR 1/4W 4.7K	1	
R1022	ERJ12NF1503	M.RESISTOR CH 1/2W 150K	1	
R1023,24	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1025	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	1	
R1026	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	1	
R1028	ERJ12NF1503	M.RESISTOR CH 1/2W 150K	1	
R1029,30	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1031	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R1032	ERJ12NF1503	M.RESISTOR CH 1/2W 150K	1	
R1033,34	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1035	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	1	
R1036	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	1	
R1102,03	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	
R1104	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	1	
R1105	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1106	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	1	
R1107	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1108	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1111	ERG2SJ180	M.RESISTOR 2W 18	1	
R1112,13	ERG2SJ104	M.RESISTOR 2W 100K	2	
R1114	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1115	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1116	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1117-20	ERG2SJ220	M.RESISTOR 2W 22	4	
R1121	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1122	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1123,24	ERG2SJ152	M.RESISTOR 2W 1.5K	2	
R1125	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R1126	VRE0222J22M	M.RESISTOR	1	
R1127	VRE0222J10M	M.RESISTOR	1	
R1128	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R1130	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1131	ERJ12YJ471	M.RESISTOR CH 1/2W 470	1	
R1132	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1134	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	1	
R1135	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1136	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1138	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R1203	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1209	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1210-12	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	3	D0GD121JA003
R1213	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R1215	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1216	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R1221	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1222	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1224	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1226	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1227	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1228	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R1229	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1230	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1234	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R1235	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
⚠ T1101	ETS42BJ1A6AD	TRANSFORMER	1	
⚠ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
⚠ TH1102	VRT0033	THERMISTOR	1	D4DDB3310004
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	5	
⚠	VMZ3269	THERMAL CONDUCTOR SHEET	2	
⚠	VMZ3283	POWER SP BARRIER	2	
	VSC5349	HEAT SINK S	1	
	VSC5355	POWER INSULATION PLATE	1	
	VSC5399	POWER SP	1	
	VSC5379	INSULATION PLATE	1	
	XYN3+F8	SCREW	10	
	XYN3+F10	SCREW	3	
■ E7	VEP61295A	POWER SUB P.C.BOARD	1	(RTL)
C1501	EEUEB1H100SB	E.CAPACITOR 50V 10U	1	
C1502	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1503	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C1504	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1505	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C1506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1507,08	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	2	
C1509	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1510	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1511	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1513	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1514	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1515	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1516	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	ECJ2VB1H682K
C1517	EEUEB1H1R0SB	E.CAPACITOR 50V 1U	1	
C1518	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1519	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1520	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1521	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1523,24	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010
C1602	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1606	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U	1	
C1609	ECA1EHG470	E.CAPACITOR 25V 47U	1	
C1610	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1611-13	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C1614	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1615,16	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1617	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1618	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C1619	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1620	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1621	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1623	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
D1501,02	MA3200-M	DIODE	2	
D1503	MA3120-M	DIODE	1	
D1505	MA152K	DIODE	1	
D1506	MA720	DIODE	1	
D1507	MA2P701A0L	DIODE	1	
D1508	MA152WA	DIODE	1	
D1509	MA3240-H	DIODE	1	
D1511,12	MA3068-M	DIODE	2	
D1513,14	MA152K	DIODE	2	
D1515	MA2P701A0L	DIODE	1	
D1602	MA3051-M	DIODE	1	MAZ30510ML
D1604	MA3062M	DIODE	1	
D1605	MA152K	DIODE	1	
D1606	MA720	DIODE	1	
IC1501	M51951BL	IC	1	C0EAH0000030
IC1502	MC33262P	IC	1	C0DAZZZ00013
IC1503	C0DABMG00001	IC	1	
IC1601	UPC1093J	IC	1	C0DAEMC00002
IC1602	C0BBBA000019	IC	1	
P1501	VJS3042F012W	CONNECTOR (FEMALE) 12P	1	K1KB12B00030
P1502	VJS3042F010W	CONNECTOR (FEMALE)	1	K1KB10B00032
P1601	VJS3042F010W	CONNECTOR (FEMALE)	1	K1KB10B00032
⚠ PC1601,02	B3QAZ0000030	PHOTO COUPLER	2	
Q1501	XN1501	TRANSISTOR-RESISTOR	1	
Q1502	2SJ278	TRANSISTOR	1	
Q1601	2SD601A-R	TRANSISTOR	1	
QR1102	UN2111	TRANSISTOR-RESISTOR	1	
QR1501	UNR211200L	TRANSISTOR	1	
QR1502	UN2111	TRANSISTOR-RESISTOR	1	
QR1503,04	UNR221300L	TRANSISTOR	2	
QR1505	UN2113	TRANSISTOR-RESISTOR	1	
QR1506	UNR221300L	TRANSISTOR	1	
QR1601	UN2113	TRANSISTOR-RESISTOR	1	
QR1602,03	UN2211	TRANSISTOR-RESISTOR	2	
QR1604	UNR221300L	TRANSISTOR	1	
R1501	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1502	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1503	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1504	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1505	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1506	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	
R1508	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1509	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1510	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R1511	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1512	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1513	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R1514	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1515	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1516	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1517	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1519	ERJ6RBD433	M.RESISTOR CH 1/10W 43K	1	
R1520	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R1521	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1522	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R1524	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1525	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R1601	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R1602	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1603	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1604	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1605	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1606	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1607	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1608	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1609,10	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1611	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R1612	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1613	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1615	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1616	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1617	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1619	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1620	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1621	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1622	ERJ6RED220	M.RESISTOR CH 1/10W 22	1	
R1623	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
■ E8	VEP66449A	PANEL P.C.BOARD	1	(RTL)
C1-14	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	14	F1J1C105A083
C15,16	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C20-35	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	16	
C36-42	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C43	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C44	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C45	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C46	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C47-49	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	F1J1C105A083
C50	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C51-62	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	12	
C63	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C64-69	EEVHB0J470	E.CAPACITOR 6.3V 47U	6	
C70,71	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	F1J1C105A083
C72	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C73	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C74	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C75	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C76	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
D01-28	MA152A	DIODE	28	
D30-34	MA152A	DIODE	5	
D38-82	MA152A	DIODE	45	
D90,91	B3AAA0000385	LED	2	
IC1,C2	C0JBAZ000854	IC	2	
IC3-C6	C0JBAF000223	VHC	4	
IC7	VSI3831	IC	1	
IC8,C9	UPC339G2	IC	2	
IC10,11	C0JBAN000098	VHC	2	
IC12	C0JBAF000223	VHC	1	
L1-12	VLF1315A102	FILTER	12	J0JHC0000015
P1	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P2	VJP3926B016	CONNECTOR (MALE)	1	K1KA16B00049
P4	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P5,P6	K1MN22B00072	CONNECTOR	2	
P8	K1MN22B00072	CONNECTOR	1	
P9,10	VJP1875T	CONNECTOR (MALE)	2	K1KA12C00010
P11	VJP1877T	CONNECTOR (MALE)	1	K1KA06C00004
P12	VJP1874T	CONNECTOR (MALE)	1	K1KA12C00009
P14	K1MN16B00029	CONNECTOR	1	
P15	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
Q1	2SD601A-R	TRANSISTOR	1	
Q2	2SD874A-R	TRANSISTOR	1	
Q3	2SD601A-R	TRANSISTOR	1	
Q4	2SD874A-R	TRANSISTOR	1	
Q5	2SD601A-R	TRANSISTOR	1	
Q6	2SD874A-R	TRANSISTOR	1	
Q7	2SD601A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q8	2SD874A-R	TRANSISTOR	1	
Q9	2SD601A-R	TRANSISTOR	1	
Q10	2SD874A-R	TRANSISTOR	1	
Q11-35	2SB710A-R	TRANSISTOR	25	
R1-12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	12	
R13-24	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	12	
R30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R32	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R33,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R35	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R36	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R37,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R39	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R40	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R41,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R44	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R45,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R47	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R48	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R49,50	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R51	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R52	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R53,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R55	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R56	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R57,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R59	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R60	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R61,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R63	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R64	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R65,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R67	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R68	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R69,70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R71	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R72	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R73,74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R75	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R76	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R77,78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R79	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R81	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R83	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R86	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R87	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R90-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	13	D0GB103JA002
R103	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R104	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R106	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R107	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R109	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R110	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R112	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R113	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R114	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R115	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R116	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R117	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R118	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R119	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R121	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R123	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	

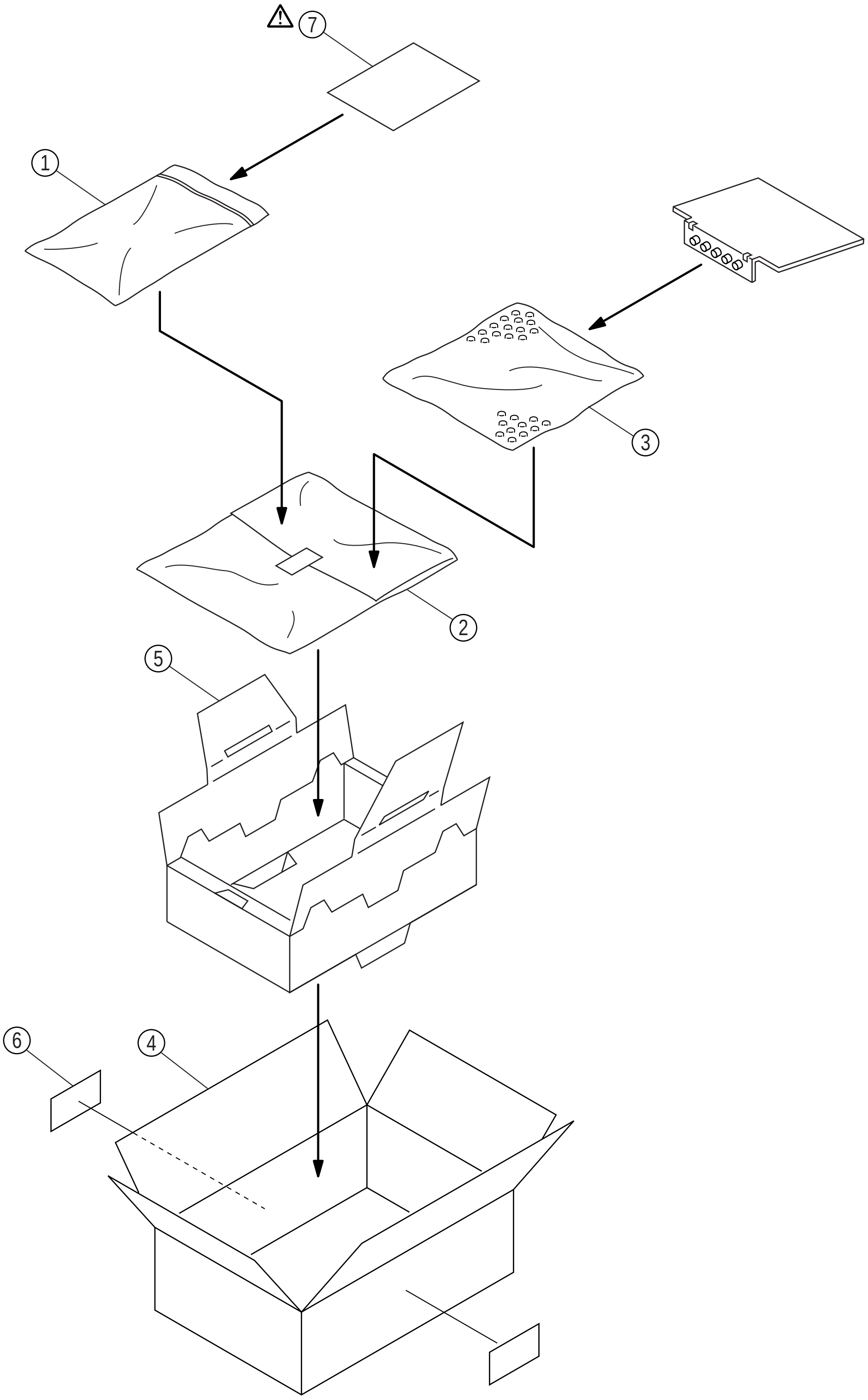
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R124	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R127	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R129	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R130	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R132	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R133	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R134	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R135	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R138	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R139	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R140	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R141	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R162-71	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R174-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R179,80	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R181	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R182	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R183,84	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R190-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	14	
R206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R208	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R209	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R210,11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R212,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R220	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R226-37	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	12	
R238,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
SW01-28	K0H1BA000435	SWITCH	28	
SW30-34	K0H1BA000435	SWITCH	5	
SW38	K0H1BA000435	SWITCH	1	
SW39-53	K0H1BA000088	SWITCH	15	
SW54-66	K0H1BA000435	SWITCH	13	
SW67-70	600W01YP2	SWITCH	4	
SW71-75	600W01GP2	SWITCH	5	
SW76	600W01YP2	SWITCH	1	
SW77-79	600W01RP2	SWITCH	3	
SW80-82	K0H1BA000435	SWITCH	3	
TG1,G2	EYF6CU	TEST POINT	2	
VR1-R7	D2B9A15B0001	V.RESISTOR 100K	7	
		MISCELLANEOUS		
	VMX2188030	SWITCH	2	K9ZZ00000717
■ E9	VEP60678A	ROTALY ENCODER P.C.BOARD	1	(RTL)
C1002-05	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	4	
C1006	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1007	ECUM1C104ZFN	C.CAPACITOR CH 16V 0.1U	1	
C1008,09	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
IC1001-03	UPC339G2	IC	3	
P1001	VJP3926B016	CONNECTOR (MALE)	1	K1KA16B00049
R1005-08	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	4	
R1009	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1011-14	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1015-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1023-26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	4	
R1027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1029-32	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R1033-36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1037,38	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1041,42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1043	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1045,46	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
TP1001-10	EYF6CU	TEST POINT	10	
VR1001-05	K9AA02400009	V.RESISTOR	5	
VR1006	D2BEA53B0004	V.RESISTOR 5K	1	
■ E10	VEP60681A	TIME ENCODER P.C.BOARD	1	(RTL)
P1401	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
VR1401	K9AA02400009	V.RESISTOR	1	
■ E11	VEP60682A	Z ENCODER P.C.BOARD	1	(RTL)
P1301	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
VR1301	K9AA02400009	V.RESISTOR	1	
■ E12	VEP60680A	COLOR V P.C.BOARD	1	(RTL)
P1201	K1KA06B00057	CONNECTOR (MALE)	1	
R1201,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
VR1201	D2FDZ1500001	JOY STOCK	1	
		MISCELLANEOUS		
	VSC5402	COLOR JOG EARTH ANGLE	1	
	VEE0S19	EARTH CABLE	1	
■ E13	VEP60683A	PHONE V P.C.BOARD	1	(RTL)
P1601	K1KA04B00063	CONNECTOR (MALE)	1	
VR1601	D2BEA53B0003	V.RESISTOR 5K	1	
■ E14	VEP60684A	ASPECT V P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1501	K1KA04B00063	CONNECTOR (MALE)	1	
VR1501	D2BEA53B0003	V.RESISTOR 5K	1	
■ E15	VEP60685A	LCD INV P.C.BOARD	1	(RTL)
C1101	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C1102	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1103	ECCS3F220KG	C.CAPACITOR 22U	1	
C1105	EEVHB1V220P	E.CAPACITOR 35V 22U	1	
C1106	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
L1101	VLQ0651K101	COIL 100UH	1	G1C101KA0013
P1102	K1KA02B00097	CONNECTOR (MALE)	1	
P1103	K1MN16A00021	CONNECTOR	1	
P1104	VJS4371B012	CONNECTOR (FEMALE)	1	
P1105	K1KA03A00017	CONNECTOR (MALE)	1	
Q1101,02	2SD2402	TRANSISTOR	2	
QR1101,02	UNR221300L	TRANSISTOR	2	
R1101,02	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	2	
R1103	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1104	VRT0152090	THERMISTOR	1	D4ZZ00000011
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1106	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
T1101	ETJ11K119AM	TRANSFORMER	1	
TG1101,02	VJR0098	TEST POINT	2	
TP1102	VJR0098	TEST POINT	1	
■ E16	VEP60679A	TAKE V P.C.BOARD	1	(RTL)
P1701	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
VR1701	D2BCB15B0004	V.RESISTOR 100K	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-YA70P PACKING PARTS ASSEMBLY



Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-YA70P PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPF0115	POLYETHYLENE BAG	1						
2	VPF0506	CONDUCTIVE BAG	1						
3	VPF0678	AIR CAP	1						
4	VPG0R14	PACKING CASE	1						
5	VPN5893	PAD	1						
6	VQL9823	PACKING LABEL	2						
⚠ 7	VQT0C02	OPERATING INSTRUCTIONS	1						

AG-YA70P ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP83586A	SDI P.C.BOARD	1	(RTL)
■	VEP83586A	SDI P.C.BOARD	1	(RTL)
C1-C6	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	6	
C7	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C8	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C9	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C10	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C11	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C100-02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C105	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C200-02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C203	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C204	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C207	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C208	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C209-11	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
C212-14	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C215-17	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	3	
C224-26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C227	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C228	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C229,30	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C231	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C232	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C233	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C234	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C235	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C238-54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	17	
C300,01	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C302,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C304,05	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C308	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C309	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C310	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C311	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C312-16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C319-22	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C323,24	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C325,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C328,29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C330,31	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C332,33	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C334-36	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C339-54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	16	
C400,01	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C402,03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C404,05	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C406,07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C409,10	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C412,13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C415,16	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C417-22	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C500,01	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C503-20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	18	
C600-13	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	14	
C615-18	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C620	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C621	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C622	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C623	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	

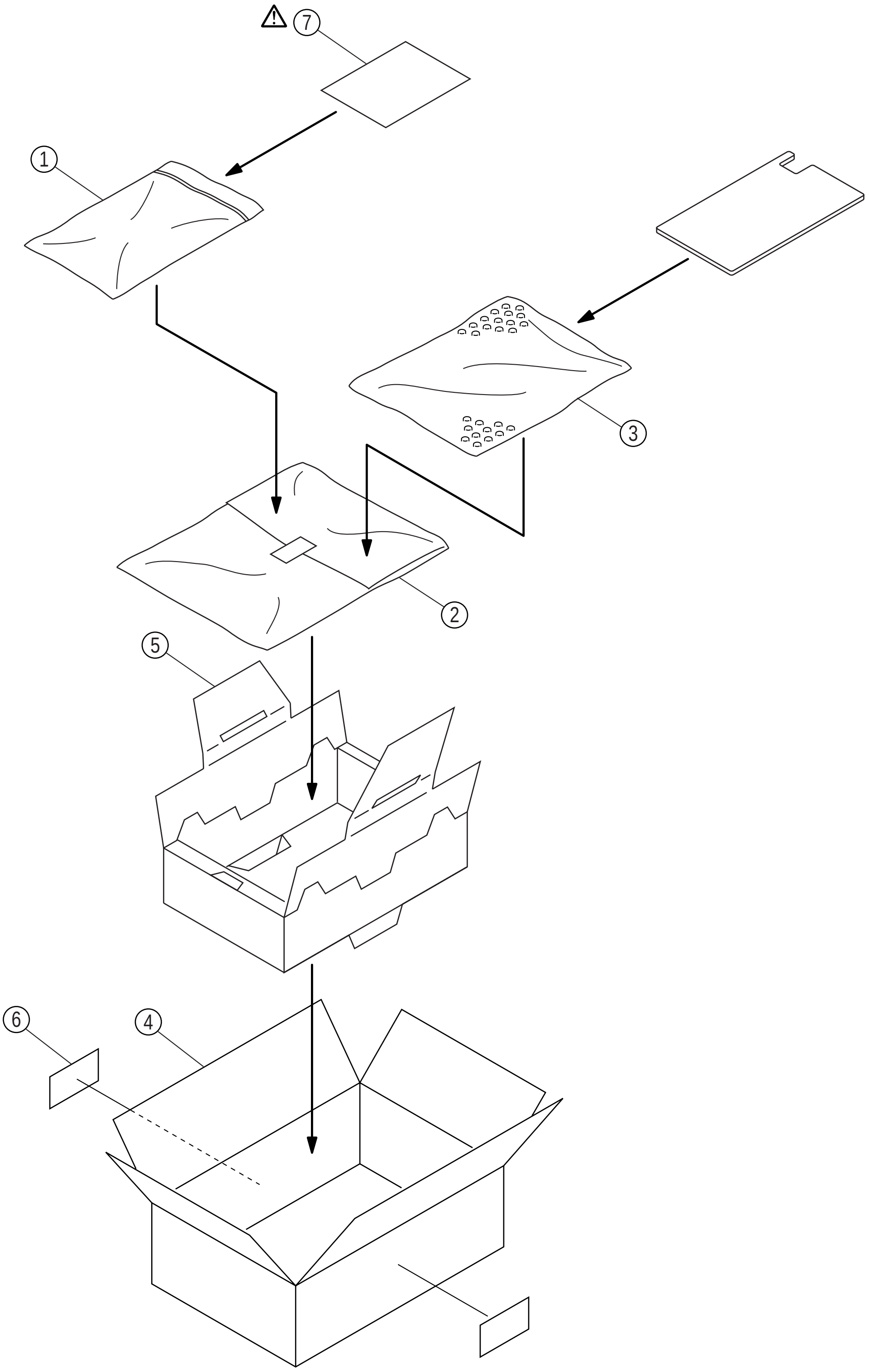
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C624-26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C627	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C628-34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
D201-04	LN1251CAL	DIODE	4	
D205-08	M1MA151K	DIODE	4	
D300-03	M1MA151K	DIODE	4	
D500	LN1251CAL	DIODE	1	
D600	LN1251CAL	DIODE	1	
IC1	LT1086CM	IC	1	C0CBAYG00001
IC102,03	C0JBAZ000854	IC	2	
IC104	C0JBAZ000803	IC	1	
IC201-04	C1AB00001594	IC	4	
IC205	C1AB00001592	IC	1	
IC206-10	C0CBADD00003	IC	5	
IC211-14	TC7S04FU	IC	4	
IC300,01	C0CBADD00003	IC	2	
IC302,03	C1AB00001591	IC	2	
IC304,05	C0CBADD00003	IC	2	
IC306,07	C1AB00001595	IC	2	
IC308,09	C0JBAZ000852	IC	2	
IC310,11	C1AB00001648	IC	2	
IC312	C0JBAZ000852	IC	1	
IC314	C0JBAZ000852	IC	1	
IC400,01	C0ZBZ0000363	IC	2	
IC403,04	C5AB00000006	IC	2	
IC405	C0JBAZ000279	IC	1	
IC406	C0JBAB000180	IC	1	
IC500	C0EBE0000236	IC	1	
IC503	C1ZBZ0001836	IC	1	
IC504	C0JBAZ000854	IC	1	
IC600	C0JBAZ000854	IC	1	
IC601,02	C0JBAF000315	IC	2	
IC603	C0JBAZ000852	IC	1	
IC604	C1AB00001648	IC	1	
IC605	C0CBADD00003	IC	1	
IC606	TC7S04FU	IC	1	
IC607	C1AB00001593	IC	1	
ID1	VVVSI3866A	SOFTWARE	1	
IP502	C1ZBZ0001555	IC	1	
J1,J2	VJR1095	LUG TERMINAL	2	
J201-04	K1QBB1BB0010	CONNECTOR (FEMALE)	4	
J600	K1QBB1BB0010	CONNECTOR (FEMALE)	1	
L1-L3	VLP0328A102	FERRITE CORE	3	
L100	G1C1R0MA0001	COIL 1.0UH	1	
L200-03	VLQ078210N	COIL	4	G1C10NGA0001
L300	G1C1R0MA0001	COIL 1.0UH	1	
L400	G1C1R0MA0001	COIL 1.0UH	1	
L500	G1C1R0MA0001	COIL 1.0UH	1	
L600	G1C1R0MA0001	COIL 1.0UH	1	
L601	VLQ0426J022	COIL	1	
P1	K1KAA0A00107	CONNECTOR (MALE)	1	
P2	K1KA05B00047	CONNECTOR (MALE)	1	
P500	K1KA08B00147	CONNECTOR (FEMALE)	1	
QR500	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
R1-R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R7-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R13	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R14	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R15-21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R103,04	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R105,06	D1H84734A008	COMBI.R-R 47K	2	
R200-02	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R203-06	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R207	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R210	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R211	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R212-14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R221-27	ERJ3RED750	M.RESISTOR CH 1/16W 75	7	
R228,29	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R230	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R231,32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R233	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R236,37	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R238,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R300-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	4	
R304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R306	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R310,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R312,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R314,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R316,17	ERJ3RBD181	M.RESISTOR CH 1/16W 180	2	
R319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R324-26	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R327,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R329	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R330,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R332-35	ERJ3RED750	M.RESISTOR CH 1/16W 75	4	
R336-39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R342-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R346-49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R350-55	D1H810140001	COMBI.R-R 100	6	
R356-61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R365-70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R377	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R381-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R386-88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R394,95	D1H810140001	COMBI.R-R 100	2	
R397,98	D1H810140001	COMBI.R-R 100	2	
R400-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R405	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R410	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420-27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R430	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R432	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R433	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R435	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R437	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R439	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R440-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R500	D1H810240001	COMBI.R-R 1K	1	
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502-09	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	8	
R510-16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521-33	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	13	
R535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R536	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R537	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R538	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R540	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R541-48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R549	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R550-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R555	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R557,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R559	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R560-62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R600-08	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	9	
R609	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R610	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R611-13	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R614	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R615	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R616-18	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	3	
R619	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R622	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R624,25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R627,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R635-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R640-42	D1H810140001	COMBI.R-R 100	3	
R643-45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R646	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R647	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R648	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R649	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R650-52	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R656-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R659-61	D1H810140001	COMBI.R-R 100	3	
TG1-G4	EYF6CU	TEST POINT	4	
TP300-03	EYF6CU	TEST POINT	4	
TP400,01	EYF6CU	TEST POINT	2	
TP500-07	EYF6CU	TEST POINT	8	
TP511	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VEE0S26	SDI POWER CABLE	1	
	VMP7162B	SDI HOLDER ANGLE	1	
	VSC5354	SDI SHIELD ANGLE	1	
	XYN26+J6FN	SCREW	10	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-VE70P PACKING PARTS ASSEMBLY



Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

AG-VE70P PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPF0115	POLYETHYLENE BAG	1	
2	VPF0506	CONDUCTIVE BAG	1	
3	VPF0678	AIR CAP	1	
4	VPG0R14	PACKING CASE	1	
5	VPN5893	PAD	1	
6	VQL9823	PACKING LABEL	2	
⚠ 7	VQT0C03	OPERATING INSTRUCTIONS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

AG-VE70P ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP63239A	3D OP P.C.BOARD	1	(RTL)
■	VEP63239A	3D OP P.C.BOARD	1	(RTL)
C1,C2	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C3	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C4	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C5-21	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	17	
C23-39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	17	
C50-13	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	64	
C114-24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	11	
C150	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C151-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	15	
C166	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C167-71	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	5	
C173	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C201-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C206-08	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C209	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C210-15	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C216	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C218-24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C251	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C252	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C254-57	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C259-67	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C269,70	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C271	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C280,81	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C301	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C302	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C304-07	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C308	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C309-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	9	
C319	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C320	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C350-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C357	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C358,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C361-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C365,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C368,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C400-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C407	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C408,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C411-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C415,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C418,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C450-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C457	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C458,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C461-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C465,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C468,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C500-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C507	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C508,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C511-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C515,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C518,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C550-56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C557	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C558,59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C561-63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C565,66	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C568,69	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C600-06	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	7	
C607	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C608,09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C611-13	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C615,16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C618,19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C650-53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C656-61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	6	
C663-65	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C700-03	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C704	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C705-17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	13	
IC50	TVHT541FT	IC	1	
IC51	C0JBAZ000852	IC	1	
IC52	C0JBAF000315	IC	1	
IC53,54	C0JBAF000233	IC	2	
IC55,56	C0JBAF000315	IC	2	
IC57-60	C0JBAF000233	IC	4	
IC150	C1ZBZ0001619	IC	1	
IC151	TLCX04F	IC	1	
IC200	VSI3770	IC	1	
IC201	C1ZBZ0002064	IC	1	
IC202	XC62FP2502PR	IC	1	
IC203	VSI3771	IC	1	
IC204	VSI3774	IC	1	
IC205	VSI3777	IC	1	
IC206	VSI3772	IC	1	
IC207	VSI3775	IC	1	
IC208	VSI3773	IC	1	
IC209	VSI3776	IC	1	
IC250-52	C3HBCC000008	IC	3	
IC253	C1ZBZ0000708	IC	1	
IC254,55	C3HBCC000008	IC	2	
IC257	C3HBCC000008	IC	1	
IC280,81	C0JBAF000233	IC	2	
IC300-02	C3HBCC000008	IC	3	
IC303	C1ZBZ0000708	IC	1	
IC304,05	C3HBCC000008	IC	2	
IC307	C3HBCC000008	IC	1	
IC350	C1ZBZ0000256	IC	1	
IC351-54	YUMNJ0029	IC	4	
IC400	C1ZBZ0000256	IC	1	
IC401-04	YUMNJ0029	IC	4	
IC450	C1ZBZ0000256	IC	1	
IC451-54	YUMNJ0029	IC	4	
IC500	C1ZBZ0000256	IC	1	
IC501-04	YUMNJ0029	IC	4	
IC550	C1ZBZ0000256	IC	1	
IC551-54	YUMNJ0029	IC	4	
IC600	C1ZBZ0000256	IC	1	
IC601-04	YUMNJ0029	IC	4	
IC652	C3HBLG000001	IC	1	
IC700	XC62FP2502PR	IC	1	
IC702	C1ZBZ0002129	IC	1	
IC703-06	TLCX573FT	IC	4	
ID1	VVVSI3867A	SOFTWARE	1	
IP256	C1ZBZ0002036	IC	1	
IP306	C1ZBZ0002036	IC	1	
IP650	C1ZBZ0002030	IC	1	
IP651	C1ZBZ0002036	IC	1	
IP701	C1ZBZ0002036	IC	1	
J1-J4	VJR1095	LUG TERMINAL	4	
L50-52	G1C1R0MA0001	COIL 1.0UH	3	
L150,51	G1C1R0MA0001	COIL 1.0UH	2	
L200,01	G1C1R0MA0001	COIL 1.0UH	2	
L203	G1C1R0MA0001	COIL 1.0UH	1	
L250-53	G1C1R0MA0001	COIL 1.0UH	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L300-03	G1C1R0MA0001	COIL 1.0UH	4	
L350-52	G1C1R0MA0001	COIL 1.0UH	3	
L400-02	G1C1R0MA0001	COIL 1.0UH	3	
L450-52	G1C1R0MA0001	COIL 1.0UH	3	
L500-02	G1C1R0MA0001	COIL 1.0UH	3	
L550-52	G1C1R0MA0001	COIL 1.0UH	3	
L600-02	G1C1R0MA0001	COIL 1.0UH	3	
L650,51	G1C1R0MA0001	COIL 1.0UH	2	
L700,01	G1C1R0MA0001	COIL 1.0UH	2	
P1	K1KAC0B00010	CONNECTOR (MALE)	1	
P2	K1KA04B00056	CONNECTOR (MALE)	1	
P3	K1KAC0A00007	CONNECTOR (MALE)	1	
P250	K1KA08B00147	CONNECTOR (FEMALE)	1	
R1	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3-14	EXBV8V101J	COMBI.R-R 100	12	
R16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R17-28	EXBV8V101J	COMBI.R-R 100	12	
R29-31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R54,55	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R57	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R58-65	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R67,68	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R70-73	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R74-81	EXBV8V101J	COMBI.R-R 100	8	
R82-85	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R150-54	EXBV8V101J	COMBI.R-R 100	5	
R155,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R157-67	EXBV8V101J	COMBI.R-R 100	11	
R168-70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R176,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R200-03	EXBV8V101J	COMBI.R-R 100	4	
R204	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R205,06	EXBV8V101J	COMBI.R-R 100	2	
R207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R209,10	EXBV8V101J	COMBI.R-R 100	2	
R250	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R251,52	EXBV8V101J	COMBI.R-R 100	2	
R255,56	EXBV8V101J	COMBI.R-R 100	2	
R257,58	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R259	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R260	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R282,83	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R300	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R301-04	EXBV8V101J	COMBI.R-R 100	4	
R305	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R350	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R354	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R355	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R650,51	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R653	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R700-04	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
TG1-G4	EYF6CU	TEST POINT	4	
TP1-P9	EYF6CU	TEST POINT	9	
TP50-59	EYF6CU	TEST POINT	10	
TP652-64	EYF6CU	TEST POINT	13	
		MISCELLANEOUS		
	VEE0S25	3D POWER CABLE	1	
	VJF1158	CLAMPER	2	